

A Bibliography of Papers in *Lecture Notes in Computer Science* (1997), Part 1 of 2

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04 February 2014
Version 1.26

Title word cross-reference

$((2^n)^m)$ [843]. + [197, 2156]. 1 [205]. 12 [2283]. 2 [1255, 56, 2077, 291, 289, 1207, 1833, 1774, 2245, 290]. 3 [762, 104, 326, 295, 56, 681, 1212, 758, 929, 291, 754, 67, 289, 1742, 757, 305, 1770, 286, 742, 310, 751, 2259, 2295, 2278, 2244, 2289, 1745, 2283, 2286, 2263, 1766, 290]. 4 [56, 283]. 5 [2258]. 6 [2258]. << [2156]. β [959, 870]. χ^2 [1510]. D [799, 1978, 1992, 2219]. E [812]. K [250, 1968, 1819, 143, 380, 248, 1702, 1341, 1706, 846, 848, 1844]. $k = 3, 4, 5$ [248]. l [848]. \mathbf{F}_{2^n} [844]. μ [1130]. n [2072, 384, 143, 1702, 2217, 2171]. o [856]. $O(n^2)$ [56]. $O(n \log_2(n))$ [2083]. $O(n \log n)$ [1577]. π [2078, 1672]. q [1283]. \rightarrow [2245]. $wL + wR$ [1284]. wL, wR [1284]. $y^2x^3 + bx^2 \pmod n$ [1703]. Z [87]. Zm [204]. - [1819, 56]. -adic [1255, 2171]. -ary [1283]. -Axis [2258]. -bases [799]. -branching [2230]. -Calculus [2078, 1672, 1130]. -Categorical [2077]. -Categories [2072]. -Cells [959]. -Center [250]. -colorable [56]. -cube [143]. -D [2286]. -Dimensional [205, 1833, 1745, 1978]. -minimal [856]. -partitioning [143]. -Paths [1341]. -programs [1844]. -reductions [870]. -set [1968]. -Subiteration [2283]. -term [380]. -th [2217]. -trees [1706]. -unification [812]. -vertex [248]. -widths [384]. -wise [846]. 1 [505, 1837, 1580]. 1-Mismatch [1580].

1-Way [1837]. **1024** [665]. **1st** [2297].
2 [64, 1582]. **2-Opt** [1582]. **2-Visibility** [64].
2.5D [299]. **2dmin** [1284]. **2nd** [2297].
3 [158]. **3-Trees** [158]. **3.0** [1757, 1789].
5 [2093].
6R [1146].
81/2 [2116].
95 [1128, 1188, 1196, 1186, 2386, 1204, 1197].
a-D [2288]. **A0*** [595]. **A5** [835].
Abdominal [413, 297]. **Abduction** [2342].
Abductive [520]. **ABEL** [1097]. **Ability**
[697]. **Absolute** [2256]. **Absorption** [767].
Abstract [9, 783, 73, 1294, 2114, 1339, 45,
2215, 2327, 274, 403, 1241, 818].
Abstraction [1503, 170, 1966, 2349, 2119].
Abstractions [1879, 1230, 656, 1627, 1628].
AC [801]. **ACACIA** [2035]. **Academic**
[435]. **Acceleration** [1735]. **Acceptance**
[1832, 927]. **Accepted** [1727]. **Accepting**
[2198, 544]. **Access** [1041, 1363, 1684, 1593,
502, 1302, 1646, 1659, 301, 1949, 1964].
Accessible [1639]. **accessing** [1982].
Accounting [918, 1359]. **Accumulators**
[851]. **Accuracy** [1671, 323, 1791].
Accurate [971, 1805]. **acetabular** [321].
Achieve [2156]. **Achieving** [242]. **ACLP**
[1476]. **Acoustic** [739, 354].
Acoustic-labial [354]. **Acoustics** [1002].
Acquiring [412]. **Acquisition**
[1350, 609, 2375, 414, 1365, 2029, 2019].
across [1209]. **Acting** [103]. **Action**
[782, 894, 93, 1932, 1674, 1908, 2229].
Action-Based [782]. **Actions**
[520, 1954, 1942]. **Activated** [734].
Activation [698]. **activations** [1212].
Active [1563, 277, 755, 1535, 2324, 276,
2264, 2166, 1032, 9, 10, 306]. **Activities**
[1047, 652, 1963]. **Activity** [959, 1808].
ACTL [1253]. **Actor** [1921]. **Actors** [100].
ACTS [1051, 1047, 1053]. **Acute** [413].
Acyclic [1686, 1822, 1446, 58]. **Ada**
[1187, 1128, 1195, 1201, 1189, 1203, 1188,
1196, 1202, 1186, 1191, 2386, 1204, 1192,
1197, 1194]. **Ada-Based** [1191].
Ada-specific [1189]. **Adaptable** [928].
Adaptation [906, 703, 1641, 1495].
Adapted [410]. **Adaptive** [1385, 465, 2007,
825, 2034, 696, 2316, 591, 928, 588, 2268,
1658, 714, 2008, 1566, 712, 2297, 1976, 1221].
Adding [1075, 18, 929]. **Addition**
[653, 2251]. **Additional** [864, 388]. **additive**
[1985]. **Additives** [2068]. **adequate** [399].
adic [1255, 2171]. **adjacent** [319].
Adjusted [719]. **Admissibility** [1487].
Admissible [866, 2058]. **Adoption**
[892, 1641]. **Adopts** [990]. **Advanced**
[572, 1617, 1555, 1648, 1516]. **Advances**
[348, 285, 1797]. **Adversaries** [2165, 2166].
Advice [2226]. **Advocating** [1966]. **AFAN**
[983]. **Affine** [1711, 2263]. **Affinity**
[742, 284]. **affinity-based** [284]. **after**
[326, 322]. **AG** [500]. **Against**
[2165, 825, 1704, 2166, 824]. **Agencies** [243].
Agency [2035]. **Agent**
[99, 567, 90, 894, 244, 92, 242, 85, 1638, 575,
897, 565, 164, 570, 389, 2033, 573, 896, 568,
89, 895, 576, 2037, 162, 84, 578, 2030, 2042,
2040, 2036, 2035, 903, 902, 350, 620, 2031,
236, 1621, 2038, 571, 233, 900, 94].
Agent-Based [389, 233]. **Agents**
[99, 238, 101, 95, 428, 235, 893, 1065, 580,
569, 586, 392, 161, 96, 2034, 93, 590, 84, 898,
566, 393, 1555, 1649, 2032, 160, 891, 564, 86,
1530, 1438, 241, 1949]. **Aggregates** [2087].
Aglets [1649]. **Agreement** [833, 1552]. **AI**
[239, 1813, 26]. **AI-Systems** [26]. **aid** [299].
Aided [1189]. **Air** [1491, 112, 688, 1630].
Airborne [2315]. **Aircraft** [733]. **Airspace**
[457]. **Airways** [763]. **aitch** [611, 1813].
Ajtai [2152]. **AL220** [692]. **Alarm** [1136].
Alarms [1012]. **Algebra** [1311, 110, 206,

220, 859, 121, 1325, 197, 788, 1560, 1163].
Algebra-Based [1311]. **Algebraic** [483, 1372, 2365, 1273, 2311, 2104, 867, 499, 462, 1277, 1814, 1832, 157, 2215, 1966, 2359, 1085, 1286, 1078, 383]. **Algebras** [2307, 1380]. **Algorithm** [2303, 258, 2083, 1417, 753, 109, 979, 1687, 629, 1757, 2235, 1291, 1272, 570, 2027, 986, 256, 1540, 1517, 645, 1590, 65, 68, 411, 1498, 1733, 1510, 2098, 636, 2020, 1232, 1725, 1515, 2011, 1514, 2010, 2160, 2283, 2008, 1652, 1608, 2170, 1580, 1765, 2285, 719, 2023, 1423, 1723, 1389, 640, 1146, 1000, 1721, 137, 1972, 402, 1978, 2182]. **Algorithmic** [2186, 262, 189, 863, 2318, 2220, 193]. **Algorithmics** [2073]. **Algorithms** [1771, 720, 690, 1780, 721, 1227, 1695, 211, 673, 1269, 475, 2164, 1399, 246, 723, 1329, 1607, 643, 2047, 1312, 2309, 114, 1711, 2307, 970, 2007, 736, 689, 1447, 207, 1891, 593, 684, 1231, 121, 248, 152, 259, 525, 1705, 61, 63, 935, 184, 711, 344, 699, 1327, 2169, 460, 1307, 1830, 1589, 1499, 1709, 1704, 1775, 1783, 1576, 2219, 1651, 2313, 843, 1531, 1588, 1875, 1715, 2017, 2232, 2003, 1876, 1767, 732, 2023, 1734, 135, 463, 381, 1982, 11, 1991, 1997, 815, 812]. **Aliasing** [1198]. **Aligned** [932]. **Aligning** [1449, 1711]. **Alignment** [1452, 1803, 1805, 1448]. **All-Optical** [1321]. **All-or-Nothing** [1528]. **Alleged** [835, 834]. **Allegories** [2073]. **Allocation** [650, 150, 2091, 1760, 1232, 1860, 21, 1995]. **Allometry** [960]. **Almost** [188, 846]. **Alogtime** [2047]. **Alphabet** [1724]. **ALT** [1777, 1790]. **ALT-models** [1777]. **Alternating** [1727, 2180, 1776, 1455]. **Alternative** [1195, 461, 769, 973, 828]. **Alternatives** [909, 1118, 1221]. **ALU** [1803]. **ALWAN** [648]. **always** [1456]. **Amalgamated** [2036]. **amidst** [1277]. **AMN** [442]. **Among** [238]. **Amp** [1398]. **Amplification** [841, 2166]. **Amplifications** [43]. **Amplitude** [770]. **AMUSE** [1068]. **Analog** [730]. **Analog-Digital** [730]. **Analogical** [1506, 37, 1504, 1100]. **Analogue** [2054]. **Analogy** [1168]. **Analyses** [933, 1498, 1551]. **Analysing** [1137]. **Analysis** [994, 964, 76, 934, 1543, 1772, 1922, 1134, 1195, 1756, 2181, 216, 1757, 1324, 428, 677, 740, 1731, 1176, 1175, 2253, 1666, 2356, 337, 1044, 930, 1858, 2033, 232, 1540, 82, 606, 341, 659, 78, 676, 1853, 1302, 515, 1303, 2314, 1884, 951, 731, 1880, 1809, 263, 2254, 1801, 944, 1885, 1622, 2295, 1744, 1886, 1860, 1815, 1717, 2288, 1883, 1892, 1864, 1865, 1899, 1889, 1874, 1751, 1861, 2240, 1765, 1862, 1818, 786, 1435, 1353, 2293, 640, 463, 1863, 9, 1219, 395, 1246, 1076, 1122, 283, 328, 1267, 1224, 1997, 2003]. **Analytic** [1356]. **analytical** [1121, 322]. **ANALYZE** [288]. **Analyzer** [77]. **Analyzing** [709, 446, 986, 582, 2340]. **Anatomical** [741, 304]. **Ancient** [1588]. **Aneurysms** [761, 297]. **Angiograms** [731, 295, 291]. **Angiography** [2247, 769, 761, 291]. **animal** [320, 300]. **Animated** [99, 101]. **Animating** [1166]. **Animation** [100]. **Animator** [436]. **anisotropic** [1220, 1225]. **Anisotropy** [2295]. **ANN** [728]. **ANN-based** [728]. **Anna** [1193]. **Anna/Ada** [1193]. **Annealing** [596]. **Annotated** [1795, 1862]. **Annotation** [1795, 1049]. **Announcement** [952]. **Annuli** [1604]. **Annulus** [1603]. **Anonymous** [1822, 2173, 826]. **Answer** [87]. **Answering** [1493, 860, 1471]. **Antenatal** [972]. **Antennas** [631]. **Anthropological** [244]. **Anticipation** [573]. **Anticlique** [145]. **Any** [838]. **Anytime** [1109, 1110]. **aortic** [297]. **APEmille** [675]. **Aperture** [2274]. **Appear** [1017]. **Appfications** [1596]. **Applicability** [614]. **Application** [1177, 1010, 1879, 702, 1615, 1007, 2332, 985, 930, 416, 999, 649, 705, 1145, 163, 452, 648, 1759, 2092, 1196, 2248, 1390, 1743, 47, 1652, 1602, 1661, 1803, 279, 2023, 2071, 2041, 658, 733, 1076, 312]. **Application-Level** [649, 1196].

Applications

[1060, 167, 584, 661, 677, 655, 685, 2188, 632, 1813, 501, 68, 1320, 197, 2057, 1067, 1202, 687, 1589, 1658, 176, 1319, 1915, 2259, 846, 1024, 1647, 2236, 1605, 133, 1045, 1722, 1139, 1393, 318, 384, 381, 1977, 1941, 2001].

Applicative [489]. **Applied**

[420, 511, 1585, 2291, 678, 700, 967, 415, 1956].

Applying [736, 1364, 1480, 459]. **Approach**

[1920, 683, 1366, 1141, 974, 2365, 1089, 1088, 1502, 345, 1030, 1090, 2321, 540, 37, 442, 1665, 947, 938, 189, 1317, 1182, 474, 1406, 1173, 602, 648, 1308, 1337, 1104, 1105, 1481, 2108, 2042, 757, 1760, 1392, 1109, 2129, 195, 1915, 2310, 1644, 2024, 1966, 1882, 2089, 1864, 1865, 1808, 1803, 2123, 488, 2266, 1566, 1485, 1734, 1642, 763, 1863, 1894, 1895, 1896, 1226, 1543, 8, 1264, 1222, 1465, 324, 1237, 2383, 290, 2004, 1455]. **Approaches**

[509, 66, 2234, 304]. **Approaching** [243].

Approximate [745, 1584, 465, 933, 1984].

Approximating [268, 1955, 2002, 1973].

Approximation [113, 1688, 1447, 248, 1337, 1335, 1232, 1282, 1576, 1608, 1987].

Approximations

[140, 107, 1671, 2345, 1629, 1931, 1994, 1998].

Approximators [715, 1221]. **Arachne**

[173]. **Arbitrary** [2245, 1732]. **arc** [1972].

archimedean [2253]. **Architectural**

[446, 486, 496, 1648, 2284, 1938].

Architecture

[1391, 669, 1064, 1563, 1099, 1065, 985, 2012, 908, 432, 973, 389, 1785, 1027, 1637, 926, 2374, 1046, 917, 1024, 571, 1939, 1944, 1941, 179].

Architectures [842, 1768, 503, 698, 359,

1762, 236, 1777, 843, 1945]. **Arcs**

[1558, 2233, 1077]. **Area**

[1970, 57, 1601, 1652, 733]. **Area-efficient**

[1970]. **Argument** [1096, 368].

Argument-Based [1096]. **Argumentation**

[424, 1505]. **Arguments** [838]. **Arithmetic**

[2172, 843, 2170, 1260, 798, 1081]. **Arity**

[1381]. **Arrangement** [1632, 1575]. **Array**

[947, 933, 544, 1328, 1745]. **Arrays** [943].

Art [450]. **artery** [299]. **arthroplasty**

[325, 322]. **arthroscopic** [309]. **Arthur**

[2192]. **articular** [286]. **Artifacts** [753].

Artificial

[994, 1007, 553, 1016, 431, 992, 1013, 698,

968, 1397, 1011, 1015, 2024, 1883, 160]. **ary**

[1283]. **Ascription** [244]. **Ash** [634]. **ASICs**

[1237]. **Asked** [449]. **Aspect** [57, 1026].

Aspect-Oriented [1026]. **Aspects**

[1350, 922, 1381, 2220, 1471]. **Assembly**

[1450, 1597]. **Assertion** [495]. **assertional**

[1261]. **Assertions** [272]. **assessing** [326].

Assessment [1086, 1416, 1881]. **Asset**

[1065]. **Assigning** [1492]. **Assignment**

[935]. **Assistance** [417]. **Assistant**

[1153, 1855]. **Assisted**

[991, 419, 312, 325, 324, 303, 300].

Associate [1311]. **Association** [1428, 2335].

Associations [1030]. **Associative**

[2307, 451]. **Assumption** [1097].

Assumption-Based [1097]. **Assumptions**

[254, 1938]. **Asteroidal** [1338]. **Astrid** [671].

Asymmetrical [1001]. **Asymmetric** [203].

Asynchronous [1920, 901, 1822, 51, 81, 936,

2189, 1958, 1950, 1964]. **ATLAS** [172].

ATLAS-I [172]. **Atlases** [429]. **ATM**

[1041, 1322, 1126, 920, 1067, 1121, 686, 687,

909, 172, 1735]. **ATM-based**

[1041, 686, 687]. **Atmospheric** [633].

Atomic [629]. **ATP** [1145]. **ATR's** [1397].

Attack [2159, 2180, 1512, 2162, 2160].

Attacks [819, 823, 2163]. **Attention**

[95, 595]. **Attribute** [615]. **Attributed**

[1836, 72]. **Attributes** [615]. **Auctions**

[1704]. **Audio** [355, 1137]. **Audio-visual**

[355]. **Audio/Video** [1137]. **Augmented**

[298, 2259, 318, 311, 332]. **Augmenting**

[1180]. **Authenticated** [833].

Authentication [1526, 351, 356, 353, 1670,

1525, 340, 2167, 338, 1550]. **Author**

[853, 1040, 2183]. **Authoring** [1050].

authorisation [1543]. **Authority** [827].

autoepistemic [1458]. **Autofocus** [753].

Automata [222, 229, 1399, 1400, 216, 500,

204, 264, 2022, 777, 1618, 212, 776, 187, 474, 1773, 535, 1401, 1727, 1397, 1402, 198, 228, 1326, 2212, 183, 217, 545, 1833, 2220, 1840, 2371, 1625, 1846, 1847, 1750, 1629, 1753, 779, 1457, 1076, 1247, 776].

Automata-Theoretic [474]. **Automated** [1903, 650, 1143, 221, 413, 1480, 2040, 742, 1673, 2259, 741, 1139, 301]. **Automatic** [2303, 889, 753, 345, 342, 536, 572, 983, 117, 363, 358, 1193, 2131, 344, 765, 286, 1242, 2139, 49, 338, 308, 328, 1267].

Automatically [480, 940, 660, 802].

Automating [497, 1866, 437]. **Automaton** [205, 2218]. **Autonomous** [101, 894, 95, 1638, 84, 1634, 898, 1387, 393, 2318, 2238, 1389, 241].

Autonomous-Objects-Based [1634].

Available [1556]. **Average** [1815, 1842, 2003]. **Average-Case** [1815].

Avionics [1617]. **Avoid** [1148]. **Avoidance** [171]. **Avoided** [1198]. **Avoiding** [664].

Aware [583, 891]. **Awareness** [2137].

Axiom [2070]. **Axiomatic** [1376, 1915].

axiomatisation [808]. **axiomatization** [398]. **Axiomatizations** [1325]. **Axis** [2258, 1999]. **axis-parallel** [1999].

B [1227, 1645, 442, 299, 912]. **B-ISDN** [912].

B-spline [299]. **B-tree** [1645]. **Back** [1536].

Background [1094, 2140, 412].

Backgrounds [744]. **Backpropagation** [979, 716]. **backward** [1453]. **Bacterial** [2019]. **Bad** [2168, 1252]. **Badly** [2267, 2257]. **bag** [22]. **bags** [1074]. **Balance** [959, 1609, 1993]. **Balanced** [265, 1593, 261, 1652]. **Balancing** [1579, 1233, 1231, 645, 176]. **Ballast** [1906].

Balloon [1018]. **Banded** [106]. **BANG** [1899, 1137]. **BANG-Clustering** [1899].

Banishing [1451]. **Base** [242, 861, 696, 1497, 1104, 1782, 318]. **Based** [887, 1662, 618, 721, 641, 722, 1177, 1096, 1501, 2106, 993, 1366, 1097, 782, 679, 838, 1089, 1502, 1311, 1789, 95, 1136, 1503, 522, 91, 2096, 2172, 434, 1422, 1420, 1478, 1450, 2022, 1409, 432, 1703, 2308, 610, 981, 975, 363, 430, 389, 839, 2276, 1493, 168, 492, 1048, 718, 696, 940, 507, 497, 1507, 589, 992, 755, 1508, 1425, 514, 535, 2189, 1479, 74, 1480, 1634, 1009, 1365, 601, 2154, 1759, 1397, 1866, 100, 1481, 1557, 1572, 240, 1742, 231, 1382, 1390, 1174, 2035, 1482, 419, 1191, 996, 1487, 1505, 2254, 944, 2026, 2138, 2179, 1621].

Based [2318, 2272, 2238, 2028, 1644, 2289, 2162, 1524, 1651, 1784, 1855, 2009, 2158, 2063, 1720, 2229, 2319, 1678, 1864, 1865, 1899, 1660, 2267, 279, 488, 88, 1635, 1484, 875, 1485, 767, 2023, 233, 1509, 1389, 1931, 463, 1194, 2163, 421, 1550, 326, 1551, 298, 1255, 1238, 1125, 312, 296, 317, 1119, 1540, 328, 383, 907, 284, 336, 1963, 815, 338, 293, 12, 1547, 1041, 1756, 292, 728, 686, 687, 1149, 1646, 136].

Bases [1370, 1104, 866, 2036, 700, 2059, 1889, 799, 817]. **Basic** [988, 167, 1502, 110, 1318, 559, 588, 1015, 820, 1551, 2382]. **Basis** [2073, 691, 2356]. **Batch** [702]. **Batches** [617]. **Bayes** [964]. **Bayesian** [1213, 744, 351, 770, 576, 2278, 2280, 1901, 2266, 2237].

BDDs [668, 774, 1252]. **Be** [85, 539, 87, 1198, 1029, 2353]. **bear** [1998].

Beat [992, 1697]. **before** [326]. **begin** [2123]. **behaved** [791]. **Behavior** [735, 100, 1015]. **Behavior-Based** [100].

Behaviors [99, 1352]. **Behaviour** [1183, 494]. **Behaviour-Refinement** [494].

Behavioural [1852]. **Belief** [1099, 89, 895, 1093, 1104, 1110].

Belief-Function [89]. **Beliefs** [90, 1107, 1458]. **Bends** [1599, 1601].

benefits [1939]. **BeoLink** [1137]. **Berlinda** [1965]. **Best** [1513, 1227, 1059]. **Best-Effort** [1059]. **Best-First** [1227]. **beta** [408]. **Bets** [42]. **Better** [211, 208]. **Between** [955, 959, 989, 857, 963, 1005, 754, 2345, 1220, 1457, 2203, 2055, 1433, 1642]. **Beyond** [618, 1039, 2269]. **bi** [400]. **bi-domains** [400]. **Bias** [1490, 1451]. **Bibliography**

[448]. **Bicategory** [1675]. **Biconjugate** [1228]. **Bidding** [1704]. **Bidirectional** [938, 2254]. **Bifurcation** [131]. **Big** [1343, 1856]. **Big-Oh** [1856]. **Billing** [918]. **Binarization** [2312]. **Binary** [2199, 144, 1541, 1444, 1827, 477, 2282, 1106, 1915, 2217, 193, 1931, 2248]. **Binding** [273, 828]. **Bindings** [1187]. **Bins** [1608]. **Bio** [1000]. **Bio-inspired** [1000]. **Bioinformatics** [1794, 1806]. **Biological** [1795, 990, 427, 997, 1001, 1389, 1808]. **Biologically** [975]. **Biology** [452, 1394, 1810]. **Biomedicine** [1806]. **Biometric** [339, 352]. **Bipartite** [52, 1336, 1740, 257, 1319, 1575]. **Biplanar** [1575]. **Bisection** [208]. **Bisimulation** [481, 1317, 1323, 191, 1243]. **Bisimulations** [1157]. **bit** [1240]. **bit-vectors** [1240]. **Bits** [837]. **Bitwise** [1783]. **Bivariate** [132, 1429]. **Black** [261]. **blackboards** [1949]. **Blind** [2155]. **Block** [1523, 1512, 1524, 1514, 1547]. **blocks** [1123]. **Blood** [993, 750]. **Boards** [1610]. **bodies** [319]. **Boehm** [1933]. **Boiler** [1010]. **Boltzmann** [644]. **Bolu** [714]. **BONAPARTE** [1067]. **bone** [282]. **BONITA** [1964]. **Boolean** [265, 1255, 668, 840, 1151, 848]. **Borel** [1297]. **Bottleneck** [1495]. **Bottom** [522, 1150]. **Bottom-Up** [522, 1150]. **Bound** [1313, 208, 1723, 382]. **Boundary** [113, 255, 754, 133]. **Bounded** [140, 473, 1074, 1342, 1291, 186, 1299, 2165, 1824, 1975, 539, 1375, 1829, 1307, 2059, 267, 1971, 1976]. **Bounded-Variable** [1375]. **Bounding** [2052, 1412, 1126]. **Bounds** [977, 1295, 1607, 1740, 65, 1830, 125, 558, 2191, 2192, 2194, 1849, 836, 2071, 1548]. **boxes** [373]. **Brain** [31, 954, 758, 431, 755, 1397, 429, 756, 741, 759, 1210, 314, 315, 313, 1397]. **Brainstorming** [1643]. **Brainware** [1391]. **Branch** [1723]. **Branch-and-Bound** [1723]. **Branches** [874]. **Branching** [1300, 2214, 1844, 379, 2230]. **Branchwidth** [1329]. **Breadth** [182]. **Breadth-First** [182]. **Breaking** [2033]. **Breakout** [1610]. **Breakpoints** [1710]. **Brief** [1092, 1281, 532]. **Broadband** [920]. **Broadcast** [1052]. **Broadcasting** [1824, 192, 150, 1976]. **bronchoscopy** [312]. **Browser** [167, 27, 1165]. **Browsing** [1425]. **Bruijn** [208]. **BSP** [1312, 657, 636]. **Bucket** [830]. **Build** [1928]. **Building** [166, 1502, 1872, 902, 1763, 1123]. **Bulk** [110]. **Bumpless** [1612]. **Bunch** [2290]. **bundles** [1207]. **Business** [1185, 1172]. **Butterflies** [1736]. **Butting** [2378]. **Button** [1382]. **BVP** [124]. **Bytes** [1527].

C [1187, 1789, 504, 280, 670, 217, 1404]. **C/E** [217]. **C98** [671]. **Cache** [943, 930, 664, 663, 1784, 1650]. **Cache-Coherence** [664]. **Cache-Coherent** [943]. **Caches** [1235]. **CAD** [2004]. **Calculating** [1541]. **Calculation** [108, 2311, 131]. **Calculator** [1166]. **Calculi** [1911, 1304, 1932, 1380, 157, 1908, 406, 408]. **Calculus** [2367, 1315, 2078, 2202, 2104, 489, 1172, 2189, 1560, 1672, 1158, 2191, 2087, 1917, 2344, 2360, 2050, 226, 1071, 1266, 397, 401, 1080, 404, 1130, 1959, 870]. **Calibrated** [2257]. **Calibration** [2322, 2258, 2259, 2256]. **Call** [1140, 1303]. **Call-by-value** [1303]. **CAM** [1397]. **CAM-Brain** [1397]. **Cambridge** [1062]. **Camera** [2322, 2258, 2321, 2259, 2257]. **Cameras** [2263]. **Can** [519, 365, 224, 1198, 1029, 1692, 2353, 94]. **Candidate** [2352]. **CANM** [105, 108]. **Canonicity** [1348]. **Canonization** [2047]. **Capabilities** [1191]. **Capability** [28]. **Capacity** [111, 557, 961]. **Capture** [1825]. **Carbohydrates** [1806]. **Carcinogenesis** [2351]. **Cardiac** [740, 751]. **cardinality** [1994]. **cardiopulmonary** [310]. **Care** [916, 411, 1862]. **Carlo** [593, 121]. **Carriers** [2298]. **Carroll** [1302]. **Cartographic** [1577]. **Case**

[618, 1489, 1501, 1298, 1350, 1490, 882, 2164, 1502, 600, 1491, 1757, 1503, 434, 1422, 1478, 1493, 1497, 1507, 1179, 1508, 1479, 1480, 418, 1759, 1481, 917, 437, 1482, 419, 1872, 1505, 1815, 2221, 2079, 1488, 1484, 1509, 900, 1944, 1946, 1945, 2003, 1179, 1180]. **Case-Base** [1497]. **Case-Based** [618, 1501, 1502, 1503, 434, 1422, 1478, 1493, 1507, 1508, 1479, 1480, 1481, 1482, 419, 1505, 1484, 1509]. **Case-Study** [882]. **Cases** [1500, 1492, 235, 1494, 1495, 1484]. **Cash** [41, 40]. **Catalogues** [1562]. **Categorical** [2072, 2079, 399]. **Categories** [2072, 2080, 1923, 1874, 406]. **Categorization** [32]. **Category** [2197]. **Catenation** [1835]. **Causal** [897, 420]. **Causal-Functional** [420]. **Cause** [1351]. **caused** [314]. **Cautious** [2329]. **CAVE** [360]. **CBR** [1491, 24, 1483, 1487]. **CCD** [2315]. **CD** [547]. **Cell** [1735]. **Cells** [959, 428]. **Cellular** [1771, 204, 264, 2022, 2276, 205, 1773, 1397, 1770, 2218, 2220, 1777, 1840, 1790, 1747, 1750, 1753, 1457, 2383, 2182]. **Cellular-Neural** [1747]. **Center** [250, 2236]. **Center-Surround** [2236]. **Central** [107]. **Centre** [333]. **Centred** [1173]. **Centroid** [1602]. **Cerebral** [754, 750, 761, 1212]. **Certain** [549, 1278, 554, 1743]. **Certainty** [994]. **Certificates** [266]. **Certification** [39, 1248]. **Certified** [1928]. **CFD** [510]. **CG** [1368, 1356]. **CGLex** [1366]. **CGLS** [640]. **Chain** [593, 1275]. **Chaining** [700, 1453]. **Challenge** [1405]. **Challenges** [2373, 976, 1656, 1386]. **Chameleon** [1519]. **Change** [874, 883, 1101, 1107, 875, 2266, 1114, 387]. **Change-Based** [875]. **Change-Oriented** [883]. **Changes** [955, 739, 697, 754]. **Changing** [1483]. **Channel** [1052, 490, 1324]. **Channels** [839, 1256]. **Chaos** [264]. **Chaotic** [1288, 969, 2021]. **Char** [1139]. **Char-Set** [1139]. **Character** [2308, 103]. **Characterisation** [2376, 431]. **Characterisations** [1852]. **Characteristic** [1513, 2023, 1218]. **Characterization** [551, 141, 481, 252, 547, 1322, 2215, 1724, 2204, 2306, 1125, 1085]. **Characterizations** [1333]. **Characterize** [496]. **Characterizing** [756, 1212]. **Charging** [918]. **Charts** [534, 12]. **Cheating** [1704]. **checker** [1265]. **Checkers** [845, 1545]. **Checking** [527, 1316, 475, 822, 1315, 1301, 1586, 538, 1129, 75, 476, 1938, 1918, 191, 1931, 1249, 1268, 1266, 1076, 1260, 1257, 1251, 1254, 1261]. **Chemical** [109, 262]. **Cheminformatics** [1794]. **Chervonenkis** [372]. **Children** [413]. **Chip** [172]. **Choice** [989, 534, 635, 769]. **Chordal** [207, 1728, 1973]. **Chromatic** [1335, 249]. **Chromosome** [1802]. **chrysanthemum** [1216]. **Church** [804]. **Cinema** [102]. **Cipher** [1519, 1533, 1523, 835, 1524, 1547]. **Ciphering** [1517]. **Ciphers** [1512, 1522]. **Circal** [220]. **Circle** [131, 1715]. **Circuit** [2054, 1610]. **Circuits** [2195, 1692, 379]. **Circular** [59, 1444]. **Citizens** [1806]. **CL** [394]. **CLAM** [178]. **Class** [776, 1813, 966, 1277, 231, 1619, 1622, 1623, 1636, 1806, 1257, 1548]. **Classes** [210, 252, 1825, 154, 1682, 1286]. **Classical** [1922, 407]. **Classification** [618, 1854, 977, 1857, 971, 991, 194, 1160, 612, 990, 978, 992, 621, 1866, 32, 1900, 2347, 135, 1216, 1213]. **Classifier** [421]. **Classifiers** [1885]. **Clausal** [2334]. **Clause** [1142, 2340]. **Clause-Diffusion** [1142]. **Clauses** [616]. **ClearCase** [882]. **Climbing** [458]. **Clinical** [410, 418, 411, 320, 305]. **Clique** [145]. **Clocks** [80, 1078]. **Cloning** [2034]. **close** [2000]. **closed** [804]. **Closest** [2285]. **closet** [1936]. **Closing** [155]. **Closure** [1448, 148, 1254, 793]. **Clover** [1534]. **CLP** [368]. **Cluster** [177, 647, 168, 1855]. **Cluster-Based** [1855]. **Clustered** [60, 61]. **Clustering** [1432, 2336, 704, 1898, 2219, 2296, 1882, 2236, 1899, 1803, 1887]. **Clusters** [175, 654, 1431, 710, 1784].

Clusters-Based [1784]. **CM** [2093]. **CM-5** [2093]. **CMIP** [921]. **CMIP/SNMP** [921]. **CNAPS** [982]. **CNNs** [981]. **Co** [1769, 2029, 2018, 1964, 2214, 1848]. **Co-evolution** [2029]. **Co-evolutionary** [2018]. **co-NP** [2214, 1848]. **co-ordination** [1964]. **Co-processor** [1769]. **Coalgebraic** [1317, 494]. **Coarse** [1312, 651]. **Coarse-Grain** [651]. **Coarsening** [940]. **Cocycles** [1280]. **Code** [562, 510, 1201, 938, 582, 506, 935, 588, 2131, 563, 671, 630, 1029, 1550, 396, 1154]. **Code-Data** [1201]. **Codes** [1269, 1271, 1291, 1274, 1275, 1278, 1279, 1280, 1283, 1284, 2179, 1817, 1285, 1286]. **codesign** [1237]. **Coding** [1449, 705, 998, 2275, 2019, 308]. **Coevolving** [2012]. **Coexistence** [655]. **Cognitive** [974]. **Coherence** [1089, 664, 2270]. **Coherence-Based** [1089]. **Coherent** [943]. **Coincide** [1560, 6]. **Coinductive** [398, 1157, 494]. **coli** [1798]. **Collaborating** [564]. **Collaboration** [2035]. **Collaborative** [679, 1046, 574]. **Collage** [1826]. **Collecting** [1990, 301]. **Collection** [710, 1862]. **Collections** [1425, 2087, 1877]. **Collective** [96]. **Collision** [851, 2178, 831]. **Collision-Free** [851, 831]. **Collision-Resistant** [2178]. **Collisions** [1025]. **Collusion** [203]. **Collusion-Secure** [203]. **Colonies** [550]. **colonoscopy** [331]. **Color** [2246, 1336, 1478, 2316, 2236, 2016, 598, 308]. **Color-Segmentation** [2236]. **colorable** [56]. **Colored** [1158]. **Coloring** [1319, 1996]. **Coloured** [1138, 1820, 1137, 533, 1135, 532]. **Colouring** [1320]. **Combination** [1141, 1088, 617, 815, 812]. **Combinations** [1785, 123, 805]. **Combinatorial** [1771, 1696, 820]. **Combinators** [1167, 813]. **Combined** [1504, 1863]. **Combining** [1141, 1257, 277, 526, 615, 1356, 1930, 2082, 1112, 2274, 1259]. **Commands** [1624]. **Commerce** [39, 927]. **Commitment** [391]. **Communicating** [783, 552]. **Communication** [1313, 2185, 1236, 943, 567, 783, 780, 642, 586, 577, 168, 896, 170, 93, 656, 645, 187, 578, 1308, 662, 178, 2190, 1943, 944, 942, 1950, 1948, 1990]. **Communication-Minimal** [943, 942]. **Communication-passing** [1943]. **Communications** [1768, 660, 1722]. **Commutation** [472]. **Commutative** [1834, 799]. **Commute** [2086]. **Commuting** [1331]. **CoMoMAS** [2030]. **Comp.specification.z** [449]. **Compact** [1446, 1720, 330]. **Compactly** [132, 207]. **Comparative** [994, 288, 1666, 1668, 1005, 1710, 1683]. **Comparing** [454, 603, 1924, 217, 2061, 1629, 2251, 875]. **Comparison** [988, 487, 177, 417, 2047, 317, 44, 758, 2043, 595]. **COMPASS** [495]. **Compatible** [2136]. **COMPEL** [1801]. **Compensated** [2247]. **Compensation** [1557]. **Compensation-Based** [1557]. **Competition** [963, 459]. **Competitive** [913, 2029, 1997]. **Compilation** [949, 2116, 272, 2129, 948, 493, 1081]. **Compiler** [946, 246, 273, 935, 271, 1966]. **Compilers** [941, 659, 1748]. **Compiling** [947]. **Complementarity** [232]. **Complete** [144, 1858, 1322, 787, 1302, 1809, 1356, 1724, 2219, 1848, 808, 4, 1375]. **Completeness** [251, 1718, 2064]. **Completion** [1291, 2277, 793, 792]. **Complex** [956, 735, 1792, 860, 968, 623, 126, 130, 1476]. **Complexity** [1313, 2185, 2052, 1443, 265, 2199, 2054, 210, 552, 186, 206, 252, 1825, 262, 860, 450, 862, 187, 1813, 1827, 1698, 2145, 2326, 1130, 155, 869, 560, 2190, 558, 2213, 201, 1834, 2234, 1594, 2196, 1842, 2194, 1817, 1850, 387, 2083, 1083]. **Compliant** [917]. **Component** [910, 748, 1637, 2211, 528, 515, 2240, 1635, 1938, 1959]. **Component-Based** [1635]. **Component-Oriented** [1637]. **Components** [725, 750, 592]. **Componentwise** [125]. **Comportment**

[2110]. **Composable** [2361, 1921].
Composed [1777]. **Composing** [1469].
Composite [1693]. **Composition** [1509].
Compositional [1103, 1239].
Compositions [370]. **Comprehensible**
[495]. **Comprehension** [865]. **Compressed**
[1443, 1055]. **Compressible** [1778].
Compressing [1339]. **Compression**
[627, 356, 588, 2268, 372]. **Computability**
[1701, 1297]. **Computable**
[1699, 194, 1623, 1816, 2232, 1700].
Computation
[1448, 551, 762, 988, 522, 2366, 579, 939, 1741,
523, 452, 2124, 1314, 1870, 1011, 1303, 2190,
1403, 1640, 1778, 1749, 1750, 2360, 1871, 14].
Computational [1295, 552, 206, 1570, 2012,
506, 1585, 701, 254, 558, 1381, 1622, 1914,
2234, 2192, 2061, 1435]. **Computations**
[1739, 2355, 2200, 635, 118, 1140, 187, 2212,
1743, 1790, 1692, 2121, 1753, 1791, 405].
Computed [763]. **Computer**
[171, 675, 1795, 467, 529, 2005, 533, 1189,
2056, 325, 982, 764, 419, 1648, 1659, 311,
312, 324, 321, 2387, 300].
Computer-Annotated [1795].
Computer-Assisted [419, 312, 300].
Computer-Generated [2056].
Computer-Generation [1795].
computer-vision-enabled [311].
Computerised [1178]. **Computers**
[1756, 110, 633, 515, 625, 1229, 1754, 639].
Computing [166, 177, 1342, 1599, 600, 572,
627, 1464, 1657, 1228, 857, 500, 1578, 1740,
180, 1792, 2242, 168, 1604, 192, 502, 1462,
501, 514, 703, 1698, 1828, 2145, 178, 1277,
693, 686, 687, 1782, 2244, 1656, 1812, 581,
2277, 1723, 179, 165, 1961, 817, 2003].
Concentrated [111]. **Concept**
[953, 710, 2345, 425, 1353, 330, 910].
Concepticons [2374]. **Conception** [165].
Concepts
[1414, 167, 567, 1645, 613, 278, 2382].
Conceptual [706, 1366, 1354, 1352, 1357,
1346, 1347, 1363, 1364, 1182, 1349, 1365,
1361, 1360, 1353, 1369]. **Concerning** [1830].
Conciliation [351]. **Concordia** [564].
Concrete [1487]. **Concurrency**
[782, 789, 1373, 862, 1829, 16]. **Concurrent**
[1666, 77, 1540, 645, 899, 74, 2105, 1401,
2108, 1962, 98, 779, 1267, 1082, 1083, 1537].
Condensed [1154]. **Condition**
[1275, 2339, 804]. **Conditional** [2354, 1098,
2291, 541, 195, 794, 2363, 471, 818].
Conditional-Logical [195]. **Conditionals**
[1111]. **Conditioning** [576]. **Conditions**
[614, 2142, 133]. **Conference** [46, 1552].
Conference-Key [46]. **Configuration**
[882, 878, 873, 880, 917, 231, 962, 879, 1959].
Configuration-Based [231].
Configurations [1324, 1732]. **Conflict**
[1684, 1593, 2210]. **Conflict-Free**
[1684, 1593, 2210]. **Conflicts** [904, 2037].
Confluence [561, 1922]. **Confocal** [2248].
Conformational [1792]. **Conforming** [129].
Congestion [1059, 457]. **congruence** [793].
Conic [2256]. **Conjecture** [1691, 1332, 806].
conjunctions [3]. **Conjunctive** [2, 364, 4].
Connected [840, 248, 1837, 592, 141].
Connection [1141, 178, 1841, 1747].
Connection-less [178]. **Connectionist**
[973, 976, 1864, 1865, 1894, 1895].
Connections [2055, 1220]. **Connective**
[1927]. **Connectivity** [211, 919, 920, 1991].
Connectors [486]. **Conquer** [2109, 1043].
Consecutive [1709]. **Consensus**
[1451, 1047]. **conservative** [1467].
Conservativeness [1383]. **considerations**
[311]. **Consistency**
[925, 2046, 1201, 1416, 20]. **Consistent**
[604]. **Constant** [964, 1295, 1824, 2191].
Constant-Depth [2191]. **Constants** [1383].
Constrained [1578, 1604, 987, 69, 1319,
2265, 2009, 459, 2068]. **Constraint** [1288,
1408, 1019, 219, 2115, 1409, 523, 458, 1129,
697, 948, 2317, 2327, 1951, 1257, 1082, 1453].
Constraint-Based [1409]. **Constraints**
[2370, 713, 894, 484, 2356, 1568, 2334, 1115,
362, 479, 1807, 1151, 231, 2138, 518, 397,

1454, 1257, 4]. **Constructing** [1689, 1152, 613, 1343, 1606, 876, 23]. **Construction** [690, 202, 1714, 707, 426, 1359, 2202, 1446, 1758, 1322, 1188, 270, 1241, 615, 1403, 1777, 1582, 1983]. **Constructions** [553, 1672, 1286, 404]. **Constructive** [1329, 1667, 1868]. **constructor** [805]. **constructor-sharing** [805]. **Constructs** [1199, 1172, 1956]. **Consultation** [410]. **Consumer** [1064, 1062]. **Contacts** [1839]. **Containment** [1245, 1834, 2, 3]. **Content** [2134, 1051, 2376, 1061]. **Contest** [62]. **Context** [472, 552, 553, 148, 1826, 541, 561, 2362, 1719, 1488, 803]. **Context-Free** [552, 148, 541, 561]. **Context-Freeness** [1826]. **Context-Sensitive** [2362, 803]. **Contextual** [2140, 1835, 2221, 2142]. **Continuation** [104, 969, 1923]. **Continuity** [2084]. **Continuous** [746, 785, 1627, 1628, 1629, 1701, 283]. **Continuously** [232]. **Contour** [2275]. **Contours** [752, 591]. **Contraction** [150]. **Contractions** [269]. **Contracts** [781]. **contradiction** [1466]. **Contrast** [1702, 764, 2267, 295]. **Contrast-Optimal** [1702]. **Control** [1060, 722, 993, 702, 246, 101, 1059, 1491, 1615, 692, 386, 180, 736, 1617, 1540, 718, 119, 726, 544, 223, 1419, 727, 734, 961, 276, 218, 1326, 513, 231, 445, 1646, 1620, 1621, 1735, 1024, 1625, 1626, 1963, 1764, 1627, 1659, 1630, 2019, 712, 1944, 357, 1946, 16, 1945]. **Control-based** [1963]. **Control-Driven** [1764]. **Control-Flow** [1540]. **Controllable** [441]. **Controlled** [542]. **Controller** [984, 714]. **Controllers** [983, 1619, 230, 719]. **Controlling** [1018, 543]. **Convection** [683, 124, 764]. **Convergence** [111, 115, 908, 127, 133, 2023]. **Conversational** [1489]. **Conversion** [935, 131, 813]. **Convex** [643, 1689, 682, 123, 2251, 384, 296, 676]. **Convexity** [1586]. **Conveyer** [1608]. **Convolution** [2311, 1775]. **Cooling** [722]. **Cooperating** [549, 548]. **Cooperation** [91, 242, 880, 237]. **Cooperative** [721, 1060, 92, 913, 1493, 2036, 236, 1640, 179, 1963]. **Coordinate** [2322]. **Coordinate-Free** [2322]. **Coordinating** [1538, 1949, 1954, 1942]. **Coordination** [97, 575, 586, 389, 896, 684, 2189, 1961, 1764, 1032, 1935, 1950, 1960, 1952, 1943, 1962, 1936, 1956, 1940, 1941, 1963, 1965]. **Copyright** [1055, 1554]. **Copyrighted** [1632]. **CoQ** [1666, 1683]. **CORALI** [1346]. **CORBA** [908, 921, 237]. **Core** [661, 2145, 2372]. **Cores** [1574]. **Corner** [2261]. **Coronary** [417]. **Corpora** [360]. **Corporate** [1360]. **Corporations** [1641]. **Correct** [2208, 1248]. **Correcting** [1817]. **Correction** [753, 314]. **Correctness** [867, 494]. **CORRELATE** [902]. **Correlation** [847, 2180, 2272]. **Correlation-Immune** [847]. **Correspondence** [19, 607, 765, 2274]. **Correspondences** [2287]. **Cortex** [960, 759]. **Cortical** [995, 999]. **Cost** [831, 1048, 1433, 68, 1335, 249, 1652, 1875, 1876, 1721, 2156, 307]. **Cost-Delay** [1652]. **Cost-Effectiveness** [1433]. **Could** [87]. **Count** [1322]. **Counter** [1168, 1323]. **Counter-examples** [1168]. **counters** [15]. **Counting** [546, 147, 2222, 1520]. **Coupled** [109, 511]. **Coupling** [959, 1496]. **Course** [1135]. **Coverability** [1834]. **covering** [1969, 384]. **Coverings** [1838]. **COVERS** [1757, 1789]. **Crank** [111]. **Crash** [1044]. **CRAY** [2095, 508, 671]. **Creating** [164, 1369]. **Creation** [1051]. **Creativity** [1506]. **Criteria** [1516, 1826, 1832, 848, 1998]. **Criterion** [867, 2264, 812]. **Critic** [1157]. **critical** [1248]. **Critique** [1058]. **Cropped** [2015]. **CROQUE** [1560]. **Cross** [930, 247, 195, 795, 2133]. **Cross-Entropy** [195]. **Cross-Loop** [930]. **Cross-sections** [795]. **Crossing** [475]. **Crossings** [1575]. **Crossover** [454, 462]. **cryosection** [294].

Cryptanalysis [1521, 835, 1510, 1511, 2158, 1520, 2182].
Cryptographic [2164, 822, 1546, 839, 848, 1530, 1071, 1244].
Cryptography [2188, 845, 2149, 1702, 45, 824].
Cryptologic [846]. **Cryptosystem** [2159, 2161, 44, 2152, 821, 2158].
Cryptosystems [2181, 2153, 2169, 844, 47, 2171, 2163]. **CSG** [1577]. **CSP** [1670]. **CT** [288, 327, 294, 430, 292, 2014, 290].
CT-based [292]. **CT-retinography** [327].
cube [143]. **Cubic** [268]. **Cues** [1002].
Cultural [2007]. **Culture** [1642].
Cumulative [939]. **curly** [212, 183].
Current [976]. **curvature** [1216].
curvatures [1218]. **Curve** [2169, 45].
Curves [107, 764, 38, 844, 2170]. **Customer** [916]. **Cut** [1371, 2056, 865, 1380].
Cut-Elimination [1371]. **Cut-Free** [1380].
Cycle [1794, 2015, 1252, 1991]. **Cyclic** [1911, 1275, 1283, 2281, 1286, 406].
Cyclically [1286]. **Cylinders** [2249].

D [295, 1212, 291, 754, 289, 290, 762, 104, 326, 681, 758, 283, 929, 632, 67, 289, 1742, 757, 305, 1770, 286, 742, 1207, 310, 751, 1774, 2259, 2295, 2278, 2244, 2289, 2245, 2283, 2286, 2288, 2263, 1766, 290]. **D/** [289, 290]. **D0L** [2216]. **D0L-Languages** [2216]. **DAC** [2195]. **Dag** [147]. **DAGs** [156, 274]. **DAL** [767]. **Dangers** [1200].
Data [1391, 2246, 1018, 1755, 1427, 1086, 229, 931, 167, 27, 943, 1879, 433, 1408, 234, 1857, 246, 1090, 1905, 1903, 2332, 740, 672, 1441, 224, 1201, 1450, 2307, 180, 2381, 1858, 986, 416, 1891, 1593, 1233, 504, 861, 1294, 1230, 1596, 1426, 1406, 663, 1567, 359, 1859, 1440, 1881, 1853, 1742, 2212, 1884, 951, 1655, 2074, 176, 1880, 630, 1915, 2278, 1867, 1886, 1860, 2059, 1856, 1888, 1647, 2315, 1883, 1892, 1864, 1865, 1899, 2044, 1874, 1919, 1861, 617, 1862, 274, 761, 1902, 932, 1863, 1411, 21, 19, 1, 396, 18, 291, 1979, 5, 794].
Data-Dependent [2212]. **Data-Flow** [224].
Data-Independent [2212].
Data-Intensive [1647]. **Data-Parallel** [504, 176]. **Data-Structures** [229].
Database [925, 355, 1019, 1563, 1559, 1556, 2332, 1781, 1056, 1406, 1564, 750, 1644, 1648, 1796, 2044, 2352, 1439, 1475]. **Databases** [1795, 1087, 1408, 1409, 860, 2325, 1565, 1646, 1801, 1901, 1890, 1569, 1894, 1895, 20, 1471].
Dataflow [1751, 932]. **Datalog** [2195, 6, 1454]. **datapath** [1242]. **Datasets** [1802]. **Dataspace** [1764]. **Datatypes** [2085, 2086]. **Dates** [939]. **Datum** [1893].
DAVIC [908]. **DCT** [2307]. **Deadlines** [225, 1592]. **Deadlock** [171, 1920, 1558, 200].
Deadlock-Free [200]. **Deadlock-Freedom** [1920]. **Deakin** [1365]. **Dealing** [1093, 1900].
Debugging [156, 1941, 1763, 1786].
Decentralized [562]. **Decibel** [1398].
Decidability [1616, 561, 2064]. **Decidable** [1140, 1323, 2216, 1245, 795]. **Deciding** [2083, 2226]. **Decimation** [287]. **Decision** [1141, 1429, 1147, 2199, 724, 1928, 416, 2336, 1507, 35, 2341, 418, 1155, 422, 1872, 2214, 1673, 2280, 2196, 193, 1931, 139, 1240, 374].
Decision-Support [418]. **Declarative** [1490, 2128, 66, 2108, 1465]. **Declustering** [1721]. **Decoding** [1269]. **Decomposable** [1327]. **Decomposition** [1854, 971, 1272, 510, 1974, 613, 511, 676, 1759, 1174, 129, 1775, 2224, 2305, 932, 412, 1121].
Decompositions [1626]. **Decryption** [2152]. **Deduction** [701, 1480, 364].
Deductive [772, 189, 861, 1566, 1569, 1474, 1471, 1475].
Deductive-Algorithmic [189]. **Default** [1089, 371, 1102, 1108, 1113, 1114]. **Defaults** [1349, 1459]. **Defect** [2262, 621]. **Defects** [2255, 1753]. **deferred** [16]. **Definability** [1823, 1341, 158, 2060]. **Defined** [951, 844].
Definition [283, 1172, 2144]. **Definitions** [2348]. **Deformable** [606, 591, 743, 604, 742, 759, 287, 284].

Deformation [748, 2252]. **Deformations** [738]. **degeneracy** [254]. **Degree** [140, 1824, 1601, 1971, 1975]. **Delaunay** [2001, 1690]. **Delay** [1291, 992, 1652]. **DeleGate** [1661]. **Delegation** [904]. **Deletion** [1337]. **Delivery** [1055, 1653]. **delta** [2367]. **Demand** [905]. **Demonstration** [1041, 840, 1063, 1626]. **Dempster** [1099]. **Dempster-Shafer** [1099]. **Dendritic** [2248]. **Denesting** [1971]. **Deniable** [2151]. **Denotational** [2068]. **Density** [1571, 764, 1896]. **Dependability** [1117]. **Dependable** [649]. **Dependence** [246, 1107, 942]. **Dependency** [1087, 2229]. **Dependency-Based** [2229]. **Dependent** [1350, 472, 1657, 220, 1378, 2212, 347, 404]. **Deployment** [1650, 165]. **Depth** [2324, 2191, 1600, 379]. **Depth-First** [1600]. **deques** [1545]. **Derandomization** [1298]. **Deregulating** [913]. **Derivation** [546, 1680, 1766]. **Derivations** [157]. **Derivative** [1295, 2260]. **Derived** [995]. **Deriving** [1783]. **Described** [2130, 1833]. **Describing** [1905]. **Description** [735, 409, 554, 1487, 1875, 279, 1876, 1944, 1947]. **Descriptions** [244]. **Descriptive** [193]. **Desgin** [1626]. **Design** [624, 1551, 97, 311, 780, 1506, 441, 842, 1007, 442, 983, 533, 1044, 506, 685, 1637, 1039, 734, 429, 1866, 1481, 218, 155, 24, 714, 2031, 848, 1515, 1937, 1745, 1717, 1038, 1751, 165, 1393, 1543, 1249, 382, 910]. **Design/CPN** [533]. **Designing** [673, 888, 1531]. **Designs** [901, 1255]. **Desired** [1180]. **Destroying** [2298]. **Detachment** [1154]. **Detectable** [828]. **Detecting** [2321, 1905, 2037, 156]. **Detection** [2302, 744, 534, 709, 1136, 2262, 770, 1558, 2291, 737, 2270, 32, 2101, 1410, 336, 2296, 2317, 2261, 2266, 763, 1000, 2297, 1253, 1466, 1252, 1218, 286]. **Detector** [1009]. **determinants** [2003]. **Determination** [2286, 2352]. **Determining** [936]. **Determinism** [187]. **Deterministic** [258, 596, 597, 2355]. **Develop** [1799]. **Developing** [445, 1191, 915]. **Development** [887, 1177, 355, 1189, 632, 328, 697, 1479, 2030, 271, 2031, 1868, 498, 1566, 331]. **Developments** [1795, 693, 1069, 814]. **device** [314]. **Diabetic** [1879]. **Diagnoses** [1370]. **Diagnosis** [417, 1176, 73, 420, 151, 419, 1886, 1906, 415, 298, 1473]. **Diagnostics** [1576]. **diagram** [1245]. **Diagrams** [1587, 1354, 2199, 189, 1904, 193, 1931]. **Diagraphs** [182]. **Dialog** [887, 1169]. **Dialog-Based** [887]. **Dialogue** [889, 888, 884, 92, 885, 1169, 886, 1855]. **Diameters** [1306]. **Diamond** [156]. **DIANE** [1049]. **dichotomous** [1607]. **Difference** [473, 111, 127, 133, 1212]. **Differences** [610]. **Different** [1041, 1756, 1091, 509, 1115, 615, 1348, 2000]. **Differential** [1513, 2181, 2321, 1616, 113, 1273, 767]. **Differentiation** [117]. **Difficulties** [991]. **Diffie** [45]. **Diffusion** [1142, 116, 764, 1213, 1210, 1220, 1221, 1225, 1205, 1214]. **Diffusive** [1231]. **Digit** [1008]. **Digital** [1052, 2247, 1181, 2157, 429, 976, 730, 731, 2155, 2284, 49, 2156, 2306, 1237]. **Digraphs** [152]. **Dilation** [2209]. **Dilemmas** [393]. **dimension** [373, 372, 383]. **Dimensional** [1443, 116, 205, 63, 2248, 1833, 2218, 1836, 1745, 21, 318, 306, 288, 299, 1978, 1983, 1224, 1988, 807]. **Dimensionality** [2235]. **Dimensions** [2219, 1992]. **Diophantine** [1987, 811]. **Direct** [1780, 2307, 1446, 125, 1774]. **Directed** [1446, 1374, 58, 1320, 47, 493, 1972, 792]. **Direction** [1776]. **Directional** [503, 2260]. **Directions** [693]. **disagreement** [377]. **Disambiguation** [2134]. **disbeliefs** [1458]. **Discipline** [881]. **Disciplines** [2097]. **Discontinuous** [993]. **Discovered** [1434]. **Discovering** [434, 1422, 1859, 11, 1887]. **Discovery** [1168, 2325, 1419, 1421, 1794, 1888, 1890, 1893, 2352, 1423, 241]. **Discrepancy** [1570]. **Discrete**

[735, 509, 232, 118, 1326, 623, 1904, 2252, 2162, 2265, 1628, 836, 2163, 2306, 2004].
Discrete-Log [2163]. **Discrete-Ordinates** [509]. **Discrete-Time** [1326, 2265].
Discretization [2331, 511]. **Discriminant** [341]. **Discussion** [833]. **Disease** [417, 739, 422, 763]. **Disease-Induced** [739]. **diseases** [327]. **Disjoint** [1606, 1972].
Disjunctive [523, 872, 1114, 1472, 1454, 1471]. **disk** [1119]. **disk-based** [1119]. **Disks** [1597, 2306]. **DisLoP** [1472]. **Disorder** [450]. **Disparity** [2273]. **Dispatch** [1028].
Dispatching [2105]. **Display** [1380]. **Disprove** [1826]. **Dissimilarity** [1877].
Distance [1587, 1269, 30, 1973, 2180, 1797, 2345, 1864, 1865, 2350, 267].
Distance-Based [1864, 1865]. **Distances** [857, 2203]. **Distinction** [1093].
Distinctions [2379]. **Distinguishes** [251].
Distributed [925, 641, 239, 943, 426, 175, 1757, 661, 442, 1822, 945, 1135, 878, 725, 81, 684, 895, 645, 589, 1027, 899, 1637, 1643, 784, 178, 1202, 1565, 628, 1742, 686, 687, 1633, 1760, 879, 156, 849, 1762, 625, 2385, 1835, 1746, 1651, 1636, 1749, 1045, 548, 581, 1635, 2102, 779, 1229, 1754, 639, 556, 2039, 1125, 1960, 1990, 1940, 1941, 12].
Distributed-Memory [943, 661].
Distribution [931, 46, 1053, 1151, 2267, 1554].
Distributions [745, 1133]. **Divergence** [534]. **Divide** [985, 2109, 1043]. **Division** [345, 1099]. **DNA** [1449, 1799, 1812, 2019].
DNA-Regions [1799]. **DNF** [380]. **Do** [101, 278, 276, 2086, 393, 2123]. **DOA** [1566].
Document [1425, 710, 1361, 281].
Documentation [499, 1037, 1038].
Documents [2141, 2137, 2138, 2140, 2144, 2142, 2133].
Dodgson [1302]. **DOF** [2258]. **DOLMEN** [906]. **Domain** [1350, 855, 345, 919, 918, 2376, 1916, 1359, 2115, 510, 511, 414, 1376, 676, 926, 1759, 1421, 129, 2089, 1889, 915].
Domain-Decomposition [1759].
Domain-Free [855]. **Domains** [485, 856, 857, 48, 416, 1339, 422, 1487, 400].
Dominance [460]. **Dominant** [1396].
Dominating [140]. **Domination** [1708].
Done [874]. **DOSFOP** [499]. **down** [1150, 1149]. **Downward** [199]. **Draft** [1516]. **Drainage** [604]. **DRASTIC** [1027].
Drawing [55, 56, 58, 62, 61, 63, 68, 1601].
Drawings [1599, 57, 149, 257, 64, 1970].
Drift [253, 376]. **Driven** [1364, 1868, 1764, 741]. **DrScheme** [2126].
Drug [1794]. **DSS** [2164]. **DTS** [985]. **Dual** [1337, 1278]. **Duality** [259]. **dually** [1973].
Due [769]. **Dungeon** [2128]. **Duration** [226]. **durations** [1995]. **durative** [1942].
During [2330, 326, 319]. **Dwork** [2152].
Dyck [1842]. **Dynamic** [587, 1306, 76, 464, 1134, 390, 1571, 536, 181, 975, 921, 1618, 458, 1596, 697, 514, 1979, 182, 588, 1307, 1742, 422, 951, 1025, 1654, 1995, 1763, 1818, 1070, 1991]. **Dynamical** [546, 656, 1401, 1622, 2220, 1627, 133].
Dynamically [1981, 1889]. **Dynamics** [1305, 678, 2003, 1938].
E-Unification [1296, 2069]. **Ear** [1002].
Early [945, 1000]. **Ease** [1495]. **Easy** [266].
ECG [992, 1878]. **echography** [299].
Economic [720, 653, 2022]. **Eden** [1537].
Edge [2211, 737, 32, 1319, 71, 1713, 1000, 159, 2297].
Edge-Rankings [159]. **Edges** [147, 32].
Edit [2180]. **Editor** [2127]. **Education** [1066]. **EEG** [709]. **Effect** [76, 1351, 951].
Effective [659, 813]. **effectively** [1256].
Effectiveness [1433, 2300, 2084]. **Effects** [319, 764, 2120, 1914]. **Efficiency** [465, 1433, 1888]. **Efficient** [1526, 1418, 762, 505, 202, 1236, 1253, 1342, 1270, 1120, 2175, 1928, 46, 1312, 850, 2174, 242, 1407, 650, 43, 827, 839, 168, 506, 1334, 170, 685, 152, 2173, 1426, 1590, 1828, 1866, 1327, 2169, 154, 1133, 1610, 4, 1328, 1708,

2111, 2261, 191, 1229, 1754, 1156, 1970, 1266, 1240, 1119, 910, 1242, 1263]. **Efficiently** [774]. **Effort** [1059, 1479]. **Ego** [2257]. **Ego-Motion** [2257]. **Egomotion** [2259]. **Eigensolver** [507]. **Eigenspace** [2234]. **Eigenvalue** [130, 133]. **Eigenvalues** [1738]. **Eigenvectors** [1738]. **Elaboration** [1481]. **ELAN** [815]. **Elastic** [739, 726, 2290, 285]. **Elastically** [2247]. **Election** [1757, 827]. **Elections** [1302]. **Electrical** [959]. **Electronic** [41, 1007, 39, 927]. **Electronic-Cash** [41]. **Element** [107, 1994]. **Elementary** [264, 1314, 1282, 385, 1102]. **Elements** [132]. **ElGamal** [828]. **Eliminating** [940, 2152]. **Elimination** [1371, 614, 865, 1144]. **Elliptic** [2169, 38, 45, 844, 2170]. **Elliptic-Curve** [45]. **embedded** [1554, 1248]. **Embedding** [144, 1670, 247]. **Embeddings** [52]. **Emergent** [2005, 392]. **Emerging** [1641, 1631]. **EMG** [420]. **Emotion** [95]. **Emotion-Based** [95]. **EMPA** [1311]. **Empirical** [619, 741, 382]. **enabled** [311]. **Enabling** [1553]. **Enantioseparations** [2332]. **Encapsulation** [1030, 1054]. **Encoded** [359, 1553]. **Encoding** [337, 1022, 2223]. **Encodings** [1924]. **Encryption** [1516, 2150, 2151, 1333, 1510, 1515, 1529, 1514, 1528, 1531, 2182, 1530, 1527, 2156, 820]. **Encryption/MAC** [1527]. **Encyclopedic** [1485]. **End** [1536, 997, 890, 927]. **End-to-End** [890]. **Ended** [2115]. **Endgame** [1890]. **Endoscopy** [762, 302, 304]. **Energy** [603, 600, 607, 672, 2310, 2300, 592]. **enforced** [1467]. **Engagements** [2033]. **Engineering** [1178, 1231, 1145, 2006, 698, 1635, 233]. **Enhance** [1501, 609]. **Enhanced** [453]. **Enhancement** [2267, 1221]. **ENT** [332]. **Entailment** [2353]. **Enterprise** [236]. **Entire** [1802]. **Entrenchment** [1105]. **Entropic** [2011]. **Entropy** [832, 2308, 2334, 195]. **Enumerating** [1732]. **Enumeration** [1284]. **Enumerations** [1816]. **Enumerative** [1290]. **Environment** [641, 1050, 889, 882, 679, 627, 677, 1657, 913, 878, 685, 89, 895, 1162, 535, 622, 2126, 1643, 2030, 1572, 1483, 1636, 1763, 1659, 498, 423, 311, 1116, 310]. **Environmental** [955, 1880]. **Environments** [464, 1571, 642, 568, 1046, 1923]. **EOL** [549]. **Epidemics** [434, 1422]. **Epidemiology** [1880]. **Episode** [1442]. **EPNet** [2021]. **EpoDB** [1796]. **epsilon** [212, 183]. **epsilon-Free** [183]. **epsilon-Transitions** [212]. **Equality** [989, 398]. **Equals** [1341, 158]. **Equation** [514]. **Equational** [469, 2358, 794]. **Equations** [111, 113, 1273, 511, 1309, 699, 1292, 133, 811]. **Equipped** [1832]. **Equivalence** [210, 1131, 1323, 1834, 1846, 2348, 1286, 1991]. **Equivariant** [2260]. **Ergodic** [204]. **ergonomic** [328]. **Erlang** [2129]. **Error** [2311, 151, 125, 1709, 1817]. **Error-Correcting** [1817]. **Error-Free** [2311]. **Error-Tolerant** [1709]. **Errors** [1449, 979, 884, 1340, 2152, 135]. **Erythropoiesis** [1796]. **Escape** [461]. **Escrow** [48, 1333, 40, 828, 1551]. **essays** [2387]. **Esterel** [524]. **Estet** [671]. **Estet-Astrid** [671]. **Estimated** [605]. **Estimates** [745, 127]. **Estimating** [663, 1479, 1897, 987, 1748]. **Estimation** [505, 2235, 2287, 593, 1897, 2273, 313, 2323, 2259, 2257, 1896, 288]. **Estimation-Propagation** [2257]. **Estimations** [764]. **Estimators** [2271]. **ET-LOTOS** [790]. **Eta** [404, 1379, 870]. **Eta-Expansions** [1379, 404, 870]. **EURESCOM** [912]. **Europe** [1047]. **European** [916]. **Evaluate** [623]. **evaluating** [1124, 292]. **Evaluation** [1526, 1516, 889, 1385, 1091, 2096, 769, 622, 1433, 890, 982, 1560, 729, 1279, 1110, 321, 2264, 2196, 2117, 1945, 2102, 1488, 2119, 1642, 658, 320, 1122, 1117]. **Evaluations**

[896, 2111]. **Evasion** [1572]. **Event** [232, 1172, 623, 1904, 2210, 2344, 49]. **Event-Stream** [49]. **Evidence** [1696, 1112]. **Evolution** [721, 1398, 713, 723, 575, 1811, 271, 1395, 1396, 1025, 2383, 459, 456, 2029]. **Evolutionary** [1696, 600, 465, 466, 2022, 2027, 2007, 1811, 458, 452, 711, 2006, 703, 1698, 1870, 2020, 451, 1390, 269, 1388, 2009, 2014, 2313, 2008, 1749, 2016, 719, 1871, 463, 2018]. **Evolvable** [1392, 1388, 1386, 1393]. **Evolving** [1027, 1167, 2013, 1389]. **Evolware** [1387]. **Exact** [933, 1302, 1978]. **Exactly** [1293, 1980]. **Examining** [1499]. **Example** [724, 1047, 422]. **Examples** [707, 1168]. **Exception** [1020]. **Exceptions** [1349, 2135]. **Exchange** [918, 680]. **Exclusion** [344]. **Executable** [272]. **Executing** [1663, 1103]. **Execution** [426, 958, 936, 1633, 585, 786, 12]. **Exemplar** [643, 682, 676]. **Existence** [2339, 266]. **Existential** [2232]. **Existentially** [2370]. **Existing** [1830]. **Exogenous** [1901]. **Expansion** [2377, 2112, 2171]. **Expansions** [1379, 404, 870]. **Expectation** [602]. **Expectation-Maximisation** [602]. **Experience** [945, 883, 1390, 445, 303]. **Experiences** [670, 329, 436]. **Experiment** [672, 164, 895, 576, 1361, 320]. **Experimental** [1091, 2096, 58, 303, 305, 322]. **Experimentation** [315]. **Experiments** [946, 1231, 1382, 360]. **Expert** [351, 414, 413, 1855, 2039]. **experts** [378]. **Explaining** [2046]. **Explanation** [1496]. **Explanations** [410, 424]. **Explicit** [2367, 1486, 492, 1101, 2358, 1909]. **Exploiting** [562, 609, 651, 1873]. **exploits** [1251]. **Exploration** [1234, 1258]. **Exploratory** [1874]. **Exploring** [465, 1600]. **Exponential** [858, 2191, 2194]. **Exponentials** [1282]. **Exponentiation** [1787, 1276]. **Exposing** [1936]. **Expressed** [1032]. **Expressibility** [1292]. **Expression** [1796]. **Expressions** [183, 1310]. **Expressive** [15, 1344, 1314]. **Expressiveness** [2195]. **Extended** [783, 1023, 226]. **Extendible** [2032]. **Extending** [789, 1909, 1378, 1927]. **Extensible** [369]. **Extension** [1376, 1006, 1285]. **Extensional** [1304]. **Extensionality** [865]. **Extent** [1573]. **Exterior** [741]. **External** [1445, 1002, 3]. **Extract** [2283, 1439]. **Extracting** [27, 1367, 1894, 1895]. **Extraction** [2246, 2375, 333, 234, 1615, 2308, 973, 2374, 2373, 2379, 1224, 336, 2024, 2380, 1625, 2372, 1226, 1242]. **Extractor** [1367]. **Extrema** [464]. **Eye** [333, 327].

F [1925]. **F0omega** [1379]. **Face** [357, 353, 341, 2291, 358, 335, 344, 336, 2290, 2293]. **Faces** [2293]. **Facial** [2309, 334, 343]. **FACILE** [82]. **Facilitating** [1176]. **Facility** [565, 1636]. **Factor** [947]. **Factor-Join** [947]. **Factorisation** [2075]. **Factorization** [1270]. **Factorizations** [2158]. **Factors** [1355]. **Facts** [554, 385]. **Factual** [1107]. **Fail** [480, 851]. **Fail-Stop** [851]. **Failure** [2159, 1496, 1958]. **Failures** [1486, 38]. **Fair** [1433, 784, 1084]. **fairness** [1251]. **Families** [549, 2215]. **Family** [549, 1522, 2170, 1791, 459, 1982, 814]. **Fanin** [1692]. **Farmer** [649]. **Farmer-Worker** [649]. **Farms** [173]. **FAs** [1404]. **Fast** [1526, 1385, 980, 1371, 1532, 1099, 114, 1711, 2287, 1533, 825, 1593, 1517, 1221, 2270, 2179, 2296, 843, 1720, 1531, 2171, 456, 1690, 1805, 381, 312, 1775, 2305]. **Fast-Division** [1099]. **Fat** [1596]. **Fault** [2181, 1136, 1202, 2042, 1989, 250]. **Fault-Tolerant** [1202, 1989]. **Faults** [822, 1824, 1828, 2211]. **faulty** [1976]. **FDT** [1845]. **FEAL** [1513]. **feasability** [300]. **Feature** [618, 608, 1014, 346, 612, 1870, 2298, 1034, 2319, 1871, 1208, 1209, 1224]. **Feature-Based** [2319]. **Feature-Oriented**

[1034]. **Features** [1199, 334, 928, 1002, 336]. **Fed** [702]. **Fed-Batch** [702]. **Federated** [919]. **FEDGE** [32]. **Feed** [963]. **Feed-Forward** [963]. **feedback** [309]. **Feedbacked** [691]. **FEM** [682]. **Fermat** [2311]. **Fermentation** [702]. **Fetal** [972]. **Few** [707, 1606, 1601]. **Field** [108, 594, 593]. **Fields** [1270, 2172, 847, 2311, 2253, 969, 982, 756, 1006, 843, 2236, 1276, 2277]. **FIFO** [1324]. **FIFO-Channel** [1324]. **Figure** [600, 1218]. **Figure-Ground** [600]. **File** [1755, 664]. **Files** [1427]. **Filled** [2246, 769]. **Filled-In** [2246]. **Filter** [1518, 1412, 2279, 2261]. **Filter-Refine** [1412]. **Filtering** [466, 999, 163, 240, 1210, 1205]. **Filters** [691, 334, 427, 2294, 2304, 1221, 1223, 1214]. **Find** [1157, 184, 698, 154, 1856]. **Finding** [1574, 115, 1424, 248, 1431, 2213, 844, 1808, 759, 381]. **Finds** [1395]. **Fine** [945, 1762]. **Fine-Grain** [945]. **Fingerprinting** [203, 826]. **Fingerprints** [340]. **Finitary** [1916]. **Finite** [1739, 107, 132, 1293, 1270, 1400, 2115, 859, 119, 187, 541, 1897, 1727, 1402, 866, 2212, 1186, 183, 1933, 127, 1833, 2223, 2196, 1846, 1847, 2044, 2231, 814, 1276, 1285, 1994]. **Finite-Horizon** [2196]. **Finite-State** [1400, 1933]. **Finitely** [1845, 795, 796]. **FIR** [691]. **FIRE** [1404]. **Firmware** [1524]. **Firmware-Oriented** [1524]. **First** [1227, 1147, 219, 1669, 895, 182, 1600, 1023, 2064, 2347, 2133, 2350, 2352, 1310, 871, 303, 809, 810]. **First-Order** [1147, 1669, 2347, 2352, 1310, 810]. **Fish** [276]. **Fitness** [1882]. **Fits** [1642]. **fixation** [321]. **Fixed** [1447, 696, 1827, 961, 1745, 1722, 1240]. **Fixed-Size** [1745]. **fixed-sized** [1240]. **Fixed-Topology** [1447]. **Fixing** [1986]. **Fixpoint** [1375, 1455]. **Flat** [996]. **Flattened** [2249]. **Flexible** [562, 1476, 531]. **FLIP** [25]. **FLORID** [1477]. **Florist** [1187]. **Flow** [109, 111, 224, 1540, 644, 78, 223, 68, 750, 1735, 2265, 2113, 2317, 1778, 2015, 493, 2023, 12]. **Flow-Directed** [493]. **Fluid** [644, 678]. **fluoroscopies** [290]. **fluoroscopy** [326]. **fly** [1251]. **Focus** [595]. **Focusing** [1093, 72]. **Fold** [1805]. **Folding** [2354, 1804]. **Folding/unfolding** [2354]. **Following** [1209]. **Forall** [953]. **Force** [629]. **Forced** [769]. **Forced-Choice** [769]. **Forecasting** [720, 1400, 434, 1422, 1012]. **Foreign** [680]. **Forests** [1722]. **Forgery** [852]. **Forging** [682]. **fork** [1127]. **Form** [1152, 2038]. **Formal** [439, 1663, 90, 529, 1666, 1135, 497, 1331, 1947, 2379, 435, 1237, 2130, 2043, 1744, 1812, 1353, 779, 1543, 1264, 1171, 12, 1259]. **Formalisation** [91, 1672]. **Formalised** [1199]. **Formalising** [74]. **Formalism** [470, 1618, 89, 1349, 778, 2138]. **Formalisms** [450]. **Formalization** [1031, 1675]. **formation** [307]. **Formatting** [2143]. **Forming** [1874]. **Forms** [2246, 1309, 2338, 2227, 1851, 872]. **Formulae** [1577, 872, 385]. **Formulas** [869, 2224, 1253]. **Formulation** [1669, 574]. **Fortran** [638, 658]. **FORUM** [449]. **Forward** [963, 1453, 2346]. **forwarding** [1956]. **Found** [1870, 1871, 2353]. **foundation** [12]. **Foundations** [2149, 2384]. **Founded** [522, 523, 6]. **Four** [1370]. **Four-Valued** [1370]. **Fourier** [1775, 2292]. **Fractal** [627, 1750]. **Fractal/Wavelet** [627]. **fraction** [1976]. **fractures** [321]. **Fragment** [862]. **Frame** [1449, 317]. **frame-based** [317]. **Frame-shift** [1449]. **Framework** [2106, 483, 1800, 1175, 416, 784, 2341, 1564, 1164, 1028, 2035, 1110, 1744, 1927, 2319, 1219, 294, 1468]. **Frameworks** [36, 1037]. **Franklin** [86]. **Fraud** [828]. **Fraud-Detectable** [828]. **Free** [2322, 851, 855, 2053, 831, 1338, 552, 2311, 553, 148, 1684, 1593, 863, 541, 200, 1380, 477, 183, 561, 2210, 2217, 1735, 1310, 812, 800]. **Freedom** [1920]. **Freeness** [1826]. **Freezable** [274]. **Frege** [2191]. **Frequency** [345, 2273, 2217]. **Frequently** [449]. **Fresh**

[1034]. **Front** [997]. **Front-End** [997]. **Frontier** [1436]. **Full** [1315, 506, 865, 1672]. **Fully** [984, 2236, 1243, 1991]. **Function** [838, 668, 2172, 2007, 89, 1001, 1882, 2062, 412, 1221, 812, 1547]. **Functional** [2355, 483, 1538, 749, 1536, 1534, 1358, 2122, 420, 1541, 2357, 2124, 1870, 1539, 2111, 2121, 2360, 2123, 1871, 79, 396, 1212, 315, 1193, 289]. **Functionality** [653, 1180]. **Functionally** [2125]. **Functions** [202, 1385, 1587, 132, 265, 1099, 37, 2177, 847, 613, 192, 698, 1279, 951, 38, 848, 2110, 1694, 1887, 1701, 1700, 1217, 375, 296, 1548]. **Fundamental** [132, 1093]. **Furnace** [1010, 634, 138, 137]. **Fusing** [353]. **Fusion** [439, 1086, 1090, 1092, 352, 987, 2237, 327]. **Future** [467, 468, 693, 976, 910]. **Fuzzy** [28, 706, 722, 542, 167, 27, 735, 433, 707, 702, 36, 30, 25, 692, 29, 1357, 983, 2027, 2308, 31, 984, 725, 708, 718, 458, 1507, 701, 697, 727, 34, 734, 716, 699, 704, 693, 757, 26, 32, 1884, 24, 700, 731, 742, 714, 1885, 1886, 2028, 2010, 1882, 1887, 719, 1004, 759, 1509, 23, 2019, 165, 421, 712, 733]. **Fuzzy-Morphology** [1004]. **Fuzzy-Neural** [693].

GA [1866, 2028, 2019]. **Gabor** [2279, 2300, 2274]. **Gabor-** [2274]. **Gaining** [466]. **Gait** [339]. **Galois** [847, 843]. **Game** [2184, 1303, 2029]. **Games** [407, 1620, 2192, 1625]. **Gang** [2100, 2099, 2102]. **Gap** [1711, 362, 155]. **Gap-Order** [362]. **garbage** [405, 1990]. **Gardens** [271]. **Gas** [632]. **Gate** [1392, 1388]. **Gate-Level** [1392, 1388]. **Gated** [740]. **Gateway** [1661]. **Gaussian** [745, 746, 461, 756]. **Gaze** [2323]. **Gbit** [1525]. **Gbit/second** [1525]. **GCHQ** [829]. **Gene** [1798, 1796]. **General** [508, 1645, 517, 1407, 150, 1028, 2317, 2089, 1661, 1127, 1469, 1978, 1468]. **Generalisation** [1416, 1157, 1875, 1876]. **Generalization** [1359, 2357, 1421]. **Generalized** [258, 472, 2249, 850, 2311, 1823, 232, 953, 474, 1133, 561, 1706, 336, 1842, 1803, 1471, 159, 1470]. **Generated** [549, 2056, 660]. **Generating** [1686, 2330, 465, 83, 1785, 201, 751, 1974]. **Generation** [2370, 1428, 1795, 2164, 2175, 2206, 538, 2131, 886, 437, 275, 2218, 1630, 425]. **Generative** [280, 557, 1948]. **Generator** [1177, 2180, 834]. **Generator-Based** [1177]. **Generators** [1518]. **Generic** [856, 2048, 913, 1093, 965]. **Genericity** [1035]. **Genes** [1802]. **Genetic** [720, 690, 2303, 721, 673, 1398, 643, 2309, 455, 2027, 736, 453, 689, 698, 699, 460, 1733, 2026, 1576, 2011, 2010, 1882, 2013, 2015, 2017, 1887, 732, 2023]. **Genetic-Based** [2023]. **Genetic-Entropic** [2011]. **Genome** [1811, 1809]. **Genomic** [1802]. **Genomics** [1710]. **Gentle** [1135]. **Gentzen** [2046]. **Geo** [1414]. **Geo-Opera** [1414]. **Geodesic** [30]. **Geographic** [687, 2044]. **Geometric** [1407, 1591, 462, 2264, 1581, 2245, 1849, 1605, 2240, 1765, 1979, 1211, 811]. **Geometrical** [297]. **Geometry** [1570, 2122, 1585, 254, 1797, 1330, 2044, 1146]. **GeoStore** [1413]. **GeoToolKit** [1413]. **GF** [843]. **Giant** [2211]. **Gibbs** [2267]. **GIOTTO3D** [67]. **Given** [2302, 1322, 1628]. **Glacial** [934]. **Glass** [138, 137]. **Glaucoma** [421]. **GLCM** [294]. **Global** [938, 689, 924, 754, 920, 2101, 2084, 1066]. **Glucose** [993]. **Goal** [390, 428, 792]. **Goal-directed** [792]. **Goal-Oriented** [428]. **Goals** [1496]. **Goedel** [2063]. **Goes** [1145]. **Going** [1039]. **Gonzalo** [960]. **Good** [2168, 1021, 580, 844]. **GOODS** [1017]. **Gossiping** [192]. **Government** [2022]. **GP** [280]. **gpo** [479]. **Gradient** [1228, 2317]. **Graduality** [1100]. **Graesser** [86]. **Grain** [945, 2282, 651, 1762]. **Grained** [1312]. **Gram** [1788]. **Grammar** [551, 549, 546, 552, 553, 547, 557, 554, 2136]. **Grammar-Compatible** [2136]. **Grammars** [859, 1811, 544, 2130, 1835, 2221, 2227, 1946].

Grammatical [540, 1811]. **Grand** [1405]. **Graph** [55, 1312, 1357, 2077, 859, 1364, 59, 62, 63, 602, 68, 2341, 601, 154, 69, 2205, 476, 157, 2363, 2228, 1738, 597, 2290, 72, 1970, 1977, 1946]. **Graph-Drawing** [62]. **Graphical** [1789, 1162, 1094, 157]. **Graphlet** [70]. **Graphs** [268, 140, 1366, 1305, 141, 1336, 1352, 54, 144, 1338, 145, 56, 1346, 1347, 146, 1740, 1363, 1446, 207, 58, 153, 60, 61, 1349, 257, 64, 1365, 1361, 1360, 2211, 154, 1307, 1421, 1729, 1884, 1600, 1708, 2113, 1601, 530, 1353, 1369, 267, 1345, 1972, 1973, 1981, 1241, 1985, 792]. **Gravitational** [631]. **gray** [1218]. **gray-level** [1218]. **Greedy** [1448, 1875, 1876]. **Green** [1221]. **Grey** [2302]. **Grey-Valued** [2302]. **Grid** [1755, 1899, 1369]. **Grid-Based** [1899]. **Grids** [247]. **Grin** [1536]. **Gröbner** [817]. **Ground** [600, 523, 2319, 1462, 801, 809]. **Group** [850, 2174, 1274, 1775, 2158]. **Grouping** [2296]. **Groups** [2174, 863]. **Groupware** [1641, 1642]. **Growing** [990]. **growth** [282]. **Guide** [1363]. **Guided** [1399, 31, 748, 1488, 330, 319, 305, 323]. **Guidelines** [1546, 410, 411]. **gynecologic** [307].

Hadamard [2305, 2305]. **Hamiltonian** [1598]. **Handling** [1657, 913, 1133, 2042, 2120, 1020, 1208]. **haptic** [309]. **Hard** [1592, 2145, 2225, 1697, 1691, 2225]. **harder** [1456]. **Hardness** [268, 1298]. **Hardness-Randomness** [1298]. **Hardware** [1385, 524, 441, 175, 985, 970, 981, 1016, 2294, 1396, 1770, 1392, 976, 730, 1673, 1394, 1388, 2043, 1386, 1393, 1544]. **Harmonic** [349]. **Harmonisation** [912]. **Harmonisation/Integration** [912]. **Harmonised** [916]. **Hartmanis** [1691]. **Hash** [2177, 1547]. **Hashing** [2178, 831, 830, 2179, 2240]. **Haskell** [2105, 1537]. **Having** [1808]. **HCT** [132].

HDD [1242]. **Head** [430, 2212, 407]. **Heads** [1846, 2378]. **Health** [1422]. **Healthcare** [411]. **Heart** [417, 972, 422]. **Heat** [109, 111, 138, 137]. **Heat-Mass** [109]. **Heat-Transfer** [138, 137]. **heavy** [1984]. **heavy-traffic** [1984]. **Heilbronn** [1687]. **Hellman** [45, 2158]. **Help** [1750]. **Helping** [2127]. **HEMATOOL** [414]. **Herbrand** [2061, 2345]. **Heredity** [1396]. **Hermite** [132, 2304]. **Heterogeneous** [1854, 234, 173, 568, 1802, 2098, 2035, 243, 237, 19]. **Heuristic** [1838, 1252]. **Heuristics** [1771, 1582]. **Hexagonal** [1716]. **Hidden** [65]. **Hide** [2177]. **Hierarchical** [1030, 1432, 61, 67, 1022, 2261, 1488, 1219]. **Hierarchies** [390, 1503, 1381]. **Hierarchy** [252, 1287, 478, 199, 1831, 185, 1836, 1844, 2230]. **High** [683, 177, 475, 635, 627, 672, 117, 506, 631, 502, 877, 501, 621, 2324, 359, 1440, 686, 687, 623, 243, 1601, 1791, 786, 1194, 373, 638, 658]. **High-Accuracy** [1791]. **High-Level** [475, 786]. **High-Order** [117]. **High-Performance** [506]. **Higher** [505, 1663, 481, 1540, 1304, 1669, 1932, 1909, 1164, 2358, 1908, 2113, 1680, 1681, 2359, 2360, 1682, 403]. **Higher-Order** [505, 481, 1540, 1669, 1932, 1909, 1164, 2358, 1908, 2113, 1680, 2359, 2360, 1682, 403]. **Highly** [234, 1443, 1536, 1556, 1799, 1788, 1548]. **Highway** [714, 1621]. **Hilbert** [865]. **Hill** [458]. **Hill-Climbing** [458]. **Hints** [998]. **hip** [322]. **HIPERCLASS** [621]. **HIPERCOMBATS** [624]. **histogram** [296]. **histogram-based** [296]. **Histopathology** [419]. **Historical** [2092]. **Hitting** [202]. **HOL** [1161, 1671, 1674, 1681, 1683]. **holding** [328]. **Homogeneous** [2249]. **Homomorphic** [2227]. **Homotopy** [1277]. **Honest** [2147, 2148]. **Hop** [1322]. **Hopfield** [343, 451, 967]. **HORB** [1633]. **Horizon** [119, 2196]. **Horizontal** [1079, 1590].

Hormonal [955]. **Horn** [2348, 862, 1150]. **Host** [1658]. **hosts** [1956]. **Hough** [333]. **HP** [1804, 643, 682, 676]. **HP-Convex** [676]. **HP/** [643, 682]. **HPF** [945, 1759]. **Human** [1664, 355, 884, 1352, 1178, 1504, 1048, 427, 341, 1802, 886, 620, 2323, 1963]. **Human-Agent** [620]. **Human-Machine** [884, 886, 2323]. **Human-Style** [1664]. **Humanities** [1362]. **HW** [1237]. **HW/SW** [1237]. **Hybrid** [222, 1612, 854, 216, 225, 219, 1614, 1613, 1616, 627, 1665, 2027, 432, 1617, 189, 1618, 1161, 223, 33, 972, 218, 1326, 26, 231, 1619, 1760, 230, 1622, 1623, 1644, 1625, 1626, 1847, 1628, 1629, 1630, 227, 763, 1072, 1246, 1265]. **Hybrids** [1802]. **Hydrodynamic** [1743]. **Hydrodynamics** [124]. **Hydroelectric** [1012]. **Hyper** [2200]. **Hyperbolic** [133]. **Hypercube** [673]. **Hypercubes** [1684]. **Hyperedge** [148, 2206]. **Hypergraphs** [142, 139]. **Hypermedia** [928]. **Hyperset** [2059]. **Hypertext** [1583, 444, 1180, 1037]. **Hypertextual** [2139]. **Hypotheses** [2353, 377]. **Hypothesis** [2339, 386]. **HYTECH** [1265].

I/O [2099]. **IBL** [1498]. **IBM** [1268]. **ICE** [1515]. **Iconic** [1384]. **Idea** [580, 819, 1170]. **Ideal** [2172, 1272]. **ideals** [799]. **Identification** [355, 342, 691, 1903, 1707, 725, 752, 352, 357, 427, 349, 765, 1002, 350, 2028, 2241, 2167, 717, 138, 387]. **identifier** [1554]. **Identifying** [1725]. **Identity** [340]. **IEEE** [45]. **If** [935, 87, 700]. **If-Conversion** [935]. **IF-THEN** [700]. **Ignorance** [1112]. **II** [980, 1116]. **IIR** [466]. **ILF** [1143, 1144]. **ILF-SETHEO** [1144]. **iliosacral** [323]. **Illuminated** [2267]. **ILP** [2331, 2332, 2351]. **Image** [1554, 594, 749, 426, 1054, 627, 296, 2309, 2308, 430, 748, 705, 743, 1211, 601, 605, 757, 2248, 2268, 1283, 128, 2280, 2014, 2313, 2315, 2284, 2016, 592, 1000, 652, 330, 282, 1221, 319, 305, 1218, 323, 286]. **Image-Guided** [748, 330, 305]. **Imagery** [2266]. **Images** [762, 753, 629, 30, 2249, 740, 2247, 343, 752, 755, 341, 704, 2282, 1833, 2298, 2310, 2295, 2227, 2267, 767, 741, 763, 1210, 298, 316, 294, 1206, 1212, 1207, 290]. **Imaging** [739, 766, 306]. **IMGS** [136]. **IMGS-based** [136]. **Immune** [847]. **Immunization** [825]. **Impersonation** [825]. **Implementable** [776]. **Implementation** [508, 980, 1532, 1537, 1007, 643, 512, 1407, 1044, 981, 1016, 685, 507, 589, 676, 1193, 1401, 2294, 477, 1164, 1015, 1776, 730, 1180, 2117, 1681, 79, 1229, 1754, 1543, 1617, 285, 1187]. **Implementations** [970, 1131, 1624, 875]. **Implemented** [2125]. **Implementing** [92, 77, 1402, 1196, 917, 2040, 657, 1174, 2097, 2041, 1965]. **Implication** [2114]. **Implications** [2099]. **Implicit** [1080, 1776, 637, 630]. **Implicitly** [949]. **Importance** [822]. **IMPROV** [100]. **Improve** [1491, 465]. **Improved** [140, 258, 1559, 681, 248, 427, 755, 443, 2100, 1131, 1994, 2170, 1229, 1754, 639, 1246]. **Improvement** [2247, 1897, 316]. **Improving** [970, 662, 1410, 2279, 1520, 2023, 1455]. **IN/ B** [911, 905, 1042]. **IN/B-ISDN** [911, 905, 1042]. **Inaccessible** [1565]. **inaccuracy** [314]. **Including** [1193]. **inclusion** [808]. **Inclusions** [1616]. **Incomparability** [549]. **Incomparable** [1300]. **Incomplete** [484, 1901, 1788]. **Incompressibility** [1815]. **Incorporate** [1150]. **Incorporating** [13]. **Increases** [769]. **Increasing** [1888]. **Incremental** [1448, 970, 845, 1970]. **Incrementality** [831]. **Indecision** [989]. **Independence** [188]. **Independent** [140, 2321, 1556, 1338, 2212, 1728, 846, 1595, 571, 1967, 347]. **Index** [1418, 853, 1040, 2183, 541]. **Indexed** [1923]. **Indexing** [1645, 681, 1181, 1508, 1029, 1485]. **Indexings** [1843]. **Indices** [1492]. **INDIE** [608]. **Indirect** [1897]. **Indistinguishability** [708]. **Individual** [391, 2291]. **Induce** [955]. **Induced**

[739, 1198]. **Inducing** [2201]. **Induction** [1501, 2329, 608, 2053, 1891, 2337, 2340, 1868, 2350, 1680]. **Inductive** [2329, 577, 2338, 2326, 2343, 2327, 2349, 794, 2384]. **Industrial** [882, 624, 621, 623, 1238]. **Industry** [1441, 621, 1463]. **inequalities** [383]. **Inference** [25, 1363, 273, 1150, 2010, 2025, 2237, 402]. **Inferences** [577, 2193, 518]. **Inferring** [368, 1696]. **Infinitary** [1916, 2046]. **Infinite** [1315, 1668, 119, 558, 1260, 1081, 388]. **Infinity** [2256, 134]. **Influence** [2223, 1747, 386]. **Informal** [2049, 1259]. **Information** [1313, 2375, 1088, 918, 2168, 235, 2177, 1175, 1092, 1057, 31, 963, 1494, 161, 1364, 2034, 2141, 353, 1181, 209, 2324, 928, 864, 1643, 2374, 2373, 2379, 240, 687, 1107, 2264, 236, 1555, 1653, 833, 1639, 2380, 2044, 2378, 237, 2372, 396, 1542, 1463, 388, 1963]. **Information-Theoretic** [209]. **Information-Theoretically** [833]. **Informations** [234]. **Infrastructure** [564]. **Infusion** [993]. **Inheritance** [1200, 278, 2105, 1028]. **inhibitor** [1077]. **Initial** [934, 134, 307]. **Initiated** [1653]. **Injuries** [415]. **Ink** [849]. **Inline** [2112]. **innermost** [802]. **Innocuous** [805]. **Input** [959, 572, 2130, 2010]. **Input/Output** [572]. **Insertions** [560]. **Insight** [466]. **Inspection** [1016, 621, 1482, 1873]. **Inspiration** [923]. **Inspired** [439, 975, 999, 1000]. **Instances** [201, 2225]. **Instantaneous** [2273]. **Instruction** [937, 1403, 652]. **instruments** [308]. **Insulin** [993]. **Insulin-Pump** [993]. **Insurance** [724]. **Integer** [181, 1752, 1974]. **integral** [798]. **Integrated** [1800, 672, 610, 911, 905, 622, 920, 1042, 915, 321, 1463]. **Integrating** [1096, 1501, 937, 754, 1859, 1802, 2205, 1171, 1569]. **Integration** [433, 1147, 1014, 1065, 1199, 1568, 650, 1143, 922, 66, 2379, 1644, 281]. **Integrator** [957]. **Integrity** [1019, 1568, 1115, 1194]. **Intel** [1531]. **Intelligence** [1435]. **Intelligent** [166, 27, 417, 1638, 736, 1858, 2034, 538, 703, 972, 1853, 909, 1880, 236, 1555, 1889, 1862, 165]. **Intensional** [244]. **Intensive** [572, 1647, 2193, 1862]. **Intentions** [91]. **Inter** [918, 926, 2038, 1659]. **Inter-Agent** [2038]. **Inter-Domain** [918, 926]. **Inter-Organizational** [1659]. **Interaction** [1052, 974, 92, 590, 568, 620, 2080]. **Interactions** [955, 1781, 310]. **Interactive** [721, 1050, 102, 1432, 1044, 1143, 1061, 1334, 1056, 1161, 332, 100, 1053]. **Interactivity** [1062]. **Intercellular** [959]. **Interconnection** [247]. **Interest** [240]. **Interface** [111, 642, 913, 1504, 654, 514]. **Interfaces** [887, 1366, 1187, 2323, 1566]. **Interfacing** [26]. **Intermediate** [613, 2377, 493, 395]. **intermodality** [293]. **Internal** [2221, 3]. **International** [1650]. **Internet** [1405, 923, 908, 1122, 1567, 1058, 2041]. **Interoperability** [919, 1409, 243]. **Interoperable** [916, 1053, 950]. **Interpolation** [132, 769, 1512, 127]. **Interpretation** [426, 1432, 755, 2114, 2063, 9]. **Interpretations** [1926, 2345]. **Interpreting** [1879]. **Interreflections** [767]. **Intersect** [1410]. **intersection** [2214, 1848]. **Intersections** [1693]. **Interval** [1125, 775, 1740, 200, 2209, 1297]. **Intervals** [612]. **interventional** [332]. **Interventions** [748]. **Intracerebral** [768]. **Intractability** [1597, 812]. **intranasal** [305]. **intraoperative** [314, 313]. **Intravascular** [606]. **Intrinsic** [2235, 205]. **Introducing** [1534, 2128, 1396]. **Introduction** [166, 2072, 1135, 2056, 1440, 790, 532]. **Introspective** [1491]. **Intuitionistic** [867, 2114, 2058, 2065, 1383]. **Invariance** [1699]. **Invariant** [2201, 996, 2281, 2060, 2245, 191, 1004, 816]. **Invariants** [2242, 2244, 2243]. **invasive** [302, 303, 305]. **Invention** [2343]. **Inverse** [1445, 1774, 2050, 2353, 1146]. **Inverted**

[1615]. **Invertible** [1207, 2220]. **Investigation** [105, 466]. **Involving** [1781]. **IP** [2041]. **IPC** [174]. **Irregular** [661, 638, 504, 1759, 662, 626]. **Irrigation** [2015]. **Isabelle** [1678, 1679, 1662, 437, 1681]. **Isabelle-Based** [1662]. **Isabelle/HOL** [1678]. **Ischemic** [422]. **ISDN** [911, 905, 1042, 912]. **ISIS** [1063]. **Isn't** [50]. **iso** [287]. **iso-surfaces** [287]. **Isochronous** [1655]. **Isoefficiency** [640]. **Isomorphism** [2083, 2047, 267]. **Isosurfaces** [759]. **Isothetic** [256]. **Issue** [1058]. **Issues** [925, 928, 1193, 1853, 1180, 1020, 1648, 233, 10]. **Itemsets** [1420]. **Iterated** [2085, 560]. **Iteration** [1288, 667, 22]. **Iterative** [106, 115, 121, 1452, 588, 615, 2285, 2266].

J [1332]. **Jacket** [722]. **Jackknifing** [750]. **Jada** [586]. **Jam** [876]. **JANUS** [890]. **Jape** [1166]. **JAVA** [908, 586, 590, 1033, 1633, 879, 1649, 1937, 1035, 1965, 1631]. **Job** [2090, 2098]. **Join** [947, 1917, 1721, 1411, 1127, 1080]. **Join-Calculus** [1917, 1080]. **Joining** [1695]. **Joins** [1410, 1561]. **Joint** [91]. **Josefsson** [131]. **Just** [1736, 84, 275, 1095]. **Just-in-Time** [275]. **Justo** [960].

K0*BMDs [525]. **Kannel** [1957]. **kappa** [2130, 2230]. **KDD** [1433, 1430, 1438]. **Keeping** [2147, 2148]. **keg** [1552]. **Kernel** [92, 646, 1655]. **Kernels** [506, 2260, 1654, 658]. **Key** [2159, 2181, 2161, 46, 48, 44, 2153, 830, 2162, 833, 821, 843, 828, 1551, 910]. **Key-Escrow** [828]. **Keyed** [1529]. **Keys** [2175]. **Keystream** [834]. **Kind** [1519]. **Kinds** [1115]. **Kinematic** [289]. **Kinematics** [427, 1146, 326]. **Kleptographic** [2163]. **Kleptography** [824]. **Klimov** [1984]. **KMOV** [2161]. **knapsack** [1978, 1987]. **knee** [326, 325, 309, 329]. **Knowledge** [1500, 1350, 1370, 27, 609, 838, 1434, 1359, 432, 31, 1367, 1334, 752, 414, 1093, 755, 1355, 2325, 1419, 2146, 1365, 1360, 1495, 2040, 2036, 1106, 962, 1421, 1108, 1362, 236, 2140, 1868, 2024, 1901, 2193, 1890, 1889, 98, 741, 2019, 1894, 421, 241, 1895, 1439, 412, 1465]. **Knowledge-Based** [432, 755, 421]. **Knowledge-Bases** [1370]. **Knowledge-Driven** [1868]. **Knowledge-Intensive** [2193]. **Knowledge-Theoretic** [98]. **known** [1995]. **KOGGE** [1179]. **Kohn** [1615]. **Kohn-Nerode** [1615]. **Kohonen** [980, 986]. **Kolmogorov** [186, 2194]. **KYDONIA** [1057].

L [1793, 548]. **L-Systems** [1793]. **Label** [71]. **Labeled** [156]. **Labeling** [430, 1602, 2266]. **Labelled** [1346, 1340, 1131]. **Labelling** [601]. **Labels** [260]. **labial** [354]. **Labyrinth** [1395]. **Ladder** [1521]. **Ladder-DES** [1521]. **Lag** [134, 323]. **Lagrangian** [2009]. **Lagrangian-Based** [2009]. **Lambda** [1911, 2119, 397, 1304, 406, 1158, 2368, 870, 408, 394]. **lambda-Calculi** [1304, 408]. **lambda-Calculus** [1158, 870]. **lambda-sigma** [2368]. **lambda-to-CL** [394]. **lambda0s0y0mPA** [1922]. **lambdacap** [2367]. **Lanczos** [508, 1754]. **Land** [688]. **Lander** [1368]. **Landmark** [765]. **Landscape** [466]. **Language** [583, 949, 97, 1534, 1031, 572, 774, 555, 619, 1618, 499, 589, 409, 75, 74, 886, 554, 1676, 1842, 1848, 2378, 2360, 425, 493, 2372, 1566, 1144, 387, 1128, 396, 1123, 271, 1962, 815, 2386, 1959]. **language-oriented** [1123]. **Languages** [2184, 549, 1293, 475, 1019, 1536, 529, 1021, 194, 224, 947, 553, 2203, 1189, 582, 953, 1826, 541, 2131, 1727, 270, 1028, 561, 1292, 1725, 2226, 1812, 2204, 79, 556, 395, 22, 7, 1245, 1943, 1261, 1965, 2216]. **LANL** [2093]. **laparoscopic** [308]. **laparoscopy** [307]. **Large** [1772, 112, 2174, 1046, 513, 1539, 1746, 1692, 1484, 876, 1118, 1944, 1119, 1979]. **Large-Scale** [1772, 1539]. **Largest** [1575].

Late [273]. **Lately** [874]. **later** [1250].
Lateral [963]. **Latin** [1550]. **Lattice**
 [1804, 823, 644, 2153, 1278, 2051].
Lattice-Boltzmann [644]. **Lattices**
 [2188, 800]. **Law** [1615]. **Laws** [1107]. **layer**
 [1957]. **Layered** [715, 963, 247, 1109, 1581].
Layout [59, 1322, 69, 72]. **Lazy**
 [2364, 1536, 1539, 2110, 2121, 2360]. **LBA**
 [540]. **Lead** [1808]. **Learn**
 [224, 1901, 2127, 94]. **learnability** [372].
Learned [1385, 1187, 657]. **Learners** [1850].
Learning [28, 618, 1384, 2328, 901, 385, 373,
 433, 1491, 1091, 1492, 375, 380, 1014, 575,
 2012, 2027, 432, 610, 975, 1496, 619, 573,
 958, 696, 576, 1497, 892, 1013, 727, 864, 376,
 578, 703, 2341, 1498, 374, 240, 1495, 378,
 2314, 615, 2020, 1392, 1390, 620, 2342, 1867,
 2344, 2380, 1873, 2348, 2193, 2015, 279, 415,
 2018, 412, 379, 381, 386, 377, 388]. **Least**
 [128, 640, 136]. **Leather** [2262]. **Leaves**
 [1290, 1216]. **Lee** [1274]. **Leech** [1278]. **Left**
 [2368, 2371, 804]. **Left-Linear** [2368, 804].
Left-to-Right [2371]. **Legacy** [1175]. **Legal**
 [1351, 710, 1619, 1632, 1484]. **Lemma**
 [1149, 1673]. **Length** [1574, 2307, 1127]. **less**
 [178, 1988]. **Lessons** [1187, 657]. **Letter**
 [1724, 2217]. **Level**
 [988, 475, 937, 370, 432, 650, 649, 877, 1215,
 601, 1196, 1392, 1388, 2221, 1784, 1786, 1661,
 245, 786, 652, 101, 1218, 1938]. **Levels**
 [1563, 1438]. **Lewis** [1302]. **LexBFS** [153].
LexBFS-Orderings [153]. **Lexical**
 [2375, 1108]. **Lexicographical** [1309].
Lexicons [2374, 425]. **Libraries**
 [1489, 1128, 2386]. **Library**
 [1562, 25, 643, 173, 670, 1202]. **Lie**
 [2022, 1282]. **Life** [164, 2024]. **Lifetime**
 [939]. **Liftable** [1160]. **Lifting** [2088]. **Light**
 [767, 2081, 1164]. **Lighted** [1382].
Lightweight [642, 178]. **Like**
 [1771, 2301, 38, 2059, 917]. **Likelihood**
 [745, 593, 336]. **Limitations** [666, 2192].
Limited [1574, 978, 1735, 548]. **Limits**
 [674, 893]. **Linda** [492, 1947]. **Linda's**
 [1935]. **Line** [1321, 1579, 57, 2287, 696, 61,
 1592, 1557, 1577, 2296, 1595, 1849, 1969,
 1220, 219, 1983, 1997]. **Linear**
 [1780, 106, 2083, 202, 1417, 1772, 1269, 713,
 110, 1329, 840, 1616, 206, 1731, 204, 970,
 2055, 1274, 573, 506, 232, 511, 120, 121, 862,
 1005, 1869, 197, 834, 383, 1130, 513, 125,
 1281, 2250, 1838, 2220, 2368, 2139, 2226,
 2064, 1520, 1575, 2001, 1580, 1752, 2277,
 1285, 1951, 1075, 1246, 1972, 1257, 1212,
 1773, 1070, 2268, 804, 2300, 811, 810].
Linear-Time [1130, 1838, 1580, 2277, 2001].
Linearly [1824]. **Lines**
 [2242, 2244, 2283, 2263, 760, 1209].
Linguistic [2377]. **Linguistics** [1435]. **Link**
 [444, 1277]. **Linkage** [2219]. **Linked**
 [951, 1801]. **Linking** [587, 1795]. **Links**
 [1606, 1870, 1871]. **Lip** [337]. **Lipreading**
 [2292]. **LISP** [252]. **list** [1982]. **Lists**
 [274, 374]. **Lite** [1404]. **Literals** [2330].
Liveness [1665]. **Living** [428]. **LJ** [1148].
LK [1148, 2068]. **LK-to-LJ** [1148]. **LLL**
 [2160]. **Llull** [771]. **Load**
 [1579, 1593, 1233, 1231, 645, 1322, 176, 2023].
Loadable [1654]. **Local** [1010, 80, 7, 1636,
 1918, 2299, 1968, 534, 4, 1993]. **Localising**
 [334]. **Localities** [492]. **Locality**
 [681, 492, 1843, 1958]. **Localization**
 [34, 1002, 2288, 932, 598, 317, 284]. **Locally**
 [1499, 1816]. **Locating** [2291]. **Location**
 [1556, 1657, 2272]. **Loci** [743, 1211]. **Lock**
 [940, 357]. **Lock-control** [357]. **Locking**
 [1657]. **LOD** [1646]. **LOD-based** [1646].
Log [2321, 2162, 2163]. **Log-Based** [2162].
Log-Polar [2321]. **Logarithmic** [551].
Logarithmic-Space [551]. **Logarithms**
 [836]. **Logic**
 [491, 1663, 2329, 2355, 483, 1385, 167, 1098,
 517, 25, 1916, 469, 2107, 370, 2048, 775, 2027,
 1092, 2055, 2356, 984, 73, 1473, 860, 718, 523,
 516, 1669, 862, 701, 1169, 2125, 1813, 2338,
 367, 2340, 865, 369, 1378, 866, 2326, 2124,
 1314, 757, 361, 2205, 869, 1106, 26, 2120,
 1108, 531, 2058, 2138, 1620, 2343, 2064, 2065,

2327, 2349, 2350, 1680, 1719, 2360, 1682, 1113, 1310, 165, 712, 733, 1472, 1075, 1469, 1470, 1465, 1070, 1254, 2387, 2384]. **Logical** [1384, 92, 400, 1823, 2336, 1115, 2341, 195, 1915, 1927, 2082, 2089, 2081, 1383, 871]. **Logicity** [471]. **Logically** [1111]. **Logics** [2052, 517, 2055, 1825, 190, 1155, 196, 1164, 1487, 2063, 1852, 2382]. **Logs** [874]. **LOKI91** [1520]. **LOLA** [1475]. **Longitudinal** [1879]. **Look** [1034, 1793]. **Lookahead** [2331]. **Looking** [2054]. **Loop** [931, 930, 1325, 952, 666, 932]. **LooPo** [952]. **Loops** [943, 1293, 1758, 2109, 942]. **Loose** [1496]. **Loss** [1735, 1126]. **Lossless** [2268]. **Lossy** [490]. **LOTOS** [789, 496, 790]. **Low** [1571, 1578, 343, 1048, 307]. **low-cost** [307]. **Low-Power** [1578]. **Lower** [1607, 1740, 558, 2191, 1849, 836, 1701, 382, 1548]. **LP** [520, 1666, 349]. **LP-residual** [349]. **LPs** [1998]. **LR** [2130]. **LTL** [1129]. **Lu** [507]. **Lucas** [38]. **Lukasiewicz** [2055]. **lumbar** [289]. **LV** [283]. **Lyapunov** [214].

M [740, 893, 2271]. **M-A** [893]. **M-Estimators** [2271]. **M-Mode** [740]. **M2L** [1263]. **Mach** [1654]. **Machine** [674, 884, 2258, 1492, 1504, 906, 886, 1392, 445, 620, 2323, 1867, 2380, 1163, 415, 412, 1073, 1969, 818]. **Machine-Supported** [1163]. **Machines** [673, 1579, 947, 1162, 1832, 2192, 2223, 2232, 2383]. **Macrame** [665]. **Macro** [932]. **Macro-Dataflow** [932]. **Macromutation** [454]. **Magic** [1150, 849]. **Magnetic** [108, 431, 757, 315]. **Magnetohydrodynamics** [630]. **Magnitude** [339]. **Maintaining** [1573, 1562, 1613, 255, 1889]. **Maintenance** [733, 2385]. **Major** [1641]. **Making** [2178, 2198, 2033, 1047, 422, 900]. **Mallat** [2274]. **Mallat-Wavelets** [2274]. **Mammograms** [760]. **Man** [825]. **Man-in-the-Middle** [825]. **Management** [994, 882, 1051, 562, 679, 1019, 919, 923, 672, 878, 873, 916, 1558, 921, 929, 184, 880, 926, 920, 1365, 917, 1028, 879, 881, 1651, 1841, 1630, 1045, 915, 1650, 1979]. **Managing** [1855]. **Maneuvers** [221]. **MANIFOLD** [1749]. **manifolds** [756]. **Manipulating** [1408]. **Manipulation** [1051, 668, 525]. **Manipulators** [514, 1146]. **manual** [2386]. **Manufacturing** [1581]. **Many** [1859, 251, 1685, 2225]. **Many-One** [251]. **Many-to-One** [1685]. **Map** [695, 1206]. **MAPLE** [120, 500]. **Mapping** [1593, 1802, 1709, 315]. **Maps** [1014, 758, 1008, 34, 694]. **Margins** [939]. **Mark** [1016]. **Marker** [1358]. **Markers** [1802, 751]. **Market** [680, 1043, 891]. **Market-Aware** [891]. **Marketplace** [164]. **Marketplaces** [1405]. **Markov** [594, 1119, 593, 2196]. **Markov's** [2058]. **Mars** [1368]. **MAS** [816, 2041]. **Mass** [109, 631, 726]. **Massively** [572, 1228, 633, 1229, 1754, 639]. **Match** [1021]. **Matched** [334]. **Matching** [1583, 603, 1584, 1443, 397, 1478, 1442, 611, 1168, 291, 602, 1445, 2379, 1149, 1833, 2310, 2271, 2371, 597, 2290, 285, 324]. **Matchings** [1685]. **Matchmaking** [162]. **Material** [751, 1632]. **materialize** [5]. **materialized** [16]. **Mathematical** [1153, 1885, 2049]. **mathematics** [1069]. **Matrices** [1772, 1707, 118, 123, 126, 2305]. **Matrices-Nonsingularity** [123]. **Matrix** [638, 1712, 1734, 375]. **Matroidal** [1337]. **Matter** [903]. **max** [197, 185]. **Maxima** [255]. **Maximal** [1271, 381]. **Maximisation** [602]. **Maximum** [745, 2334, 593]. **mcd** [1142]. **McEliece** [2159]. **MDL** [964]. **Me** [874]. **Means** [1100, 644, 1003, 998, 1887, 872, 2068]. **Measure** [1299, 1882, 2345, 1877]. **Measurement** [36, 1124, 754, 767]. **Measurement-Theoretic** [36]. **Measurements** [993, 288]. **Measures** [1091, 210, 1420, 1297, 296, 1212]. **Measuring** [198]. **mechanical** [310]. **Mechanism** [1490, 1733, 1735, 1868].

Mechanisms [168, 958, 278, 544, 585, 22]. **mechanization** [1244]. **Media** [1952, 1774, 1644, 2132, 2133]. **Media-Based** [1644]. **Medial** [2283]. **Median** [1710]. **Medical** [762, 426, 416, 424, 409, 743, 422, 425, 306]. **Meets** [239]. **MEGA** [632]. **MEGA-D** [632]. **Melting** [634, 138, 137]. **Membership** [469, 1842, 2348, 1887]. **Memory** [1234, 931, 943, 2096, 661, 2165, 29, 945, 655, 343, 1684, 1593, 654, 2093, 184, 845, 1828, 628, 451, 1390, 1762, 2013, 2231, 1229, 1754, 639, 1545, 1990]. **Memory-Based** [1390]. **Memory-Bounded** [2165]. **Menger** [1972]. **Menu** [1366]. **Menu-Based** [1366]. **Merges** [874]. **Mergesort** [263]. **Merging** [1563, 1327]. **Merkle** [2158]. **Merlin** [2192]. **Mersenne** [2311]. **Mesh** [1819, 681, 24, 1843]. **Mesh-Indexings** [1843]. **Meshes** [116, 1742, 1988, 1994]. **Message** [1526, 534, 2159, 655, 685, 1525, 2182, 1550]. **Message-Passing** [655, 685]. **Message-Resend** [2159]. **Messages** [566]. **MESSENGERS** [1634]. **Meta** [1563, 370, 432, 1182, 1860, 1438, 1179]. **Meta-CASE** [1179]. **Meta-Level** [370, 432]. **Meta-Levels** [1563]. **Meta-Modelling** [1182]. **Meta-Reasoning** [1860]. **Metabolic** [1800]. **Metacomputing** [641, 674, 1647]. **Metadatabase** [239]. **METAFrame** [530]. **Metaphor** [575]. **Metaspaces** [1656]. **METATEM** [98, 1962]. **Method** [171, 439, 104, 508, 1177, 1428, 1298, 214, 470, 603, 1141, 2052, 1134, 1311, 441, 495, 1228, 509, 507, 2316, 1799, 2105, 670, 1155, 765, 1028, 126, 419, 731, 127, 130, 1111, 2295, 1763, 1520, 2299, 2312, 2025, 2050, 1139, 1569, 779, 1931, 1229, 639, 2019, 1554, 1246, 1238, 292]. **Methodologies** [2039]. **Methodology** [1502, 1170, 429, 2030, 915]. **Methods** [1772, 709, 461, 113, 465, 1199, 1135, 116, 1858, 1496, 122, 1897, 197, 435, 1776, 128, 2043, 134, 1215]. **Meticulous** [263]. **Metric** [1271, 2201, 2084]. **Metrical** [423]. **Metrics** [616]. **Micro** [1655]. **Micro-kernel** [1655]. **Microcircuits** [954]. **Microelectrode** [995]. **Microprocessor** [692, 1249]. **microrobot** [331]. **Microscope** [629]. **Microscopy** [2248]. **Middle** [825]. **Migrant** [173]. **Migration** [922, 914, 1762]. **Migratory** [584]. **Mill** [1858]. **MIMD** [1766]. **Min** [1998, 185]. **Min-Sum** [1998]. **Mind** [903, 387]. **Minder** [96]. **Minimal** [943, 1203, 2217, 942, 1114, 856, 286, 1229, 639]. **Minimally** [1619, 302, 303]. **Minimax** [119, 382]. **Minimisation** [2310]. **Minimization** [603, 600, 607, 592]. **Minimizing** [1306, 1721]. **Minimum** [1516, 211, 1336, 1269, 396, 1599, 1604, 939, 68, 1277, 195, 1992, 1838, 1723, 377, 1994]. **Minimum-Link** [1277]. **Minimum-Width** [1604]. **Mining** [1436, 1087, 1437, 2332, 1441, 1891, 2335, 1406, 1440, 1564, 1888, 1874, 1435]. **Minkowski** [2251]. **MIPS** [1752]. **Mismatch** [1580]. **Missing** [1900]. **Mistrusting** [48]. **MISTY** [1514]. **Mixed** [722, 730]. **Mixin** [2106]. **Mixin-Based** [2106]. **Mixture** [746, 2291]. **Mixtures** [968]. **ML** [1667, 1080, 1909, 2127]. **MLP** [971, 998]. **MLPs** [982]. **MMH** [1525]. **Mobile** [587, 583, 567, 1657, 579, 565, 570, 580, 569, 582, 80, 568, 535, 588, 34, 563, 1658, 566, 1015, 1390, 585, 1649, 2238, 2032, 1656, 1956, 564, 2019, 1530, 1949]. **Mobility** [562, 924, 1658, 907, 1958]. **Modal** [481, 520, 2052, 351, 1315, 1813, 1155, 869, 1106, 1620, 1927, 227]. **Mode** [740, 51, 736, 2318]. **Model** [745, 2370, 1041, 956, 722, 1177, 527, 1227, 949, 1316, 1249, 475, 1268, 749, 707, 1804, 522, 91, 1344, 1315, 1065, 680, 739, 873, 859, 646, 420, 444, 343, 1811, 911, 910, 1048, 633, 755, 748, 538, 1129, 965, 1397, 960, 2124, 476, 1254, 2279, 1006, 2010, 1037, 1855, 2029, 2317,

1918, 1786, 1678, 1660, 2267, 1752, 2360, 617, 1144, 1931, 1958, 8, 1266, 1076, 399, 282, 1960, 1260, 1257, 304, 1985, 1251, 1265, 1261, 2004]. **Model-Based** [1678]. **Model-Checking** [475, 1931, 1076]. **Modeled** [222]. **Modeling** [706, 1234, 1097, 746, 1502, 1789, 1352, 1031, 1800, 1950, 29, 220, 455, 2381, 2334, 1351, 656, 1507, 877, 223, 688, 1946, 2094, 1793, 1810, 1765, 1509, 712, 1116, 1124, 1121, 297, 310, 1959]. **Modelization** [1010]. **Modelling** [1185, 1563, 242, 1172, 93, 1182, 928, 604, 1881, 1904, 903, 1774, 2032, 2079, 767, 1902, 760, 1542]. **Models** [762, 2134, 594, 433, 112, 1373, 2078, 1798, 995, 1376, 1799, 604, 1932, 1094, 1378, 1866, 2314, 1872, 742, 550, 2210, 2061, 1883, 1921, 1630, 1907, 759, 23, 747, 1119, 287, 1462, 406, 284, 1777]. **Modern** [2149, 1058]. **Modification** [2025]. **Modified** [979]. **MODp** [188]. **MODp-tests** [188]. **Modular** [487, 1304, 1470, 698, 2146, 2076, 1524, 1966, 1787, 498]. **Modularity** [1072, 1718]. **Modulated** [1896]. **Module** [489, 1541, 1782, 401]. **Modules** [1593, 1746]. **Modulo** [1758, 1693]. **Modulus** [2084]. **Molecular** [1342, 1792, 452, 1797]. **Moments** [505, 2306, 1127]. **Monadic** [1296, 531]. **Monads** [2076]. **Monitor** [780, 421]. **Monitoring** [1879]. **Monocular** [2289]. **monoidal** [406]. **Monoids** [1845, 795, 796]. **Monotone** [872, 380, 374]. **Monotonic** [516, 518, 1456, 1474, 1477, 1468, 1471]. **Monte** [593, 121]. **MORAL** [2238]. **Morphisms** [559, 1827, 1724]. **Morphological** [2294, 2282, 2285]. **Morphology** [1004, 312]. **morphology-based** [312]. **Mosaicing** [2249]. **MOSEL** [531, 1263]. **MOSIX** [647]. **Most** [2339, 11]. **Motion** [753, 1571, 2321, 607, 2247, 601, 2319, 2257, 2274, 283, 322]. **Motion-Based** [601]. **Motivational** [96]. **Motor** [957, 958, 718, 1013]. **Mouse** [2289]. **Mouth** [336]. **Movement** [2321, 180, 958, 313]. **Movements** [337]. **Movie** [163]. **Moving** [1573]. **MPEG** [1553]. **MPEG-encoded** [1553]. **MPI** [670]. **MPPs** [2094]. **MR** [753, 295, 316, 294, 769, 752, 755, 291, 754, 761, 741]. **MR/CT** [316]. **MRA** [768]. **MRF** [2276]. **MRI** [749, 751]. **Mu** [1315, 1266]. **Mu-Calculus** [1315, 1266]. **mucke** [1266]. **Müller** [1284]. **Multi** [1686, 1213, 1819, 97, 90, 351, 101, 244, 1665, 242, 1175, 575, 897, 985, 827, 573, 896, 1785, 89, 895, 2037, 162, 578, 2030, 271, 2042, 2040, 2036, 2212, 1218, 2035, 902, 2031, 915, 245, 2237, 571, 1423, 900, 1226]. **Multi-Agent** [97, 90, 244, 242, 575, 897, 573, 896, 89, 895, 2037, 162, 578, 2030, 2042, 2040, 2036, 2035, 902, 2031, 571, 900]. **Multi-Architecture** [1785]. **Multi-Authority** [827]. **Multi-domain** [915]. **Multi-Head** [2212]. **Multi-language** [271]. **Multi-Level** [245, 101]. **Multi-Mesh** [1819]. **Multi-neural** [985]. **Multi-perspective** [1175]. **Multi-Processor** [1665]. **Multi-relational** [1423]. **Multi-scale** [1218, 1226]. **Multi-sensor** [2237]. **Multi-spectral** [1213]. **Multi-target** [271]. **Multi-tree** [1686]. **Multiagent** [243, 245, 891, 2385]. **Multicast** [2173, 1046, 1652]. **multiclass** [1984]. **Multicomputers** [1312, 513]. **Multicriteria** [729]. **multidatabases** [17]. **Multidimensional** [1418, 1645, 986, 999, 1880]. **Multigrid** [2276]. **Multilevel** [2012, 60]. **Multilingual** [2374]. **Multimedia** [1041, 1060, 1755, 1050, 1064, 1051, 1049, 1059, 1065, 1057, 1044, 410, 1047, 1056, 1068, 924, 1637, 1067, 1053, 2137, 907, 1042, 1058, 2138, 1653, 1644, 1045, 1066, 13]. **Multimodal** [2133]. **Multiobjective** [2303]. **Multiparty** [907]. **Multiple** [1584, 2335, 1452, 2320, 1704, 1505, 2286, 2025, 617, 1078]. **Multiple-Data-Batches** [617]. **Multiple-Object** [1704]. **Multiplication** [1607, 1734]. **Multiplications** [1524]. **Multiplicative**

[2160]. **Multiprocessor** [1782, 2097, 2017, 1967]. **Multiprocessors** [931, 943, 2096, 1784]. **Multiprogramming** [2102]. **Multiresolution** [1688]. **Multiscale** [1054, 1212]. **Multisensor** [1086]. **Multiset** [75]. **Multispectral** [2266]. **Multisplitting** [1426]. **multistage** [1126]. **Multitape** [1727]. **Multiterminal** [1716]. **Multithreaded** [949, 1769]. **Multithreading** [1761]. **Multivariate** [1270]. **Multiway** [1714, 178]. **Munich** [1068]. **Muscle** [427]. **Must** [539]. **Mutation** [461]. **Mutual** [1737]. **Mutually** [48]. **Myocardial** [752].

Naccache [44]. **Naccache-Stern** [44]. **NaDSyl** [2057]. **Name** [1025, 1636]. **Narrowing** [2364, 2354, 2103, 2360]. **Natural** [553, 619, 2239, 886, 554, 2378, 425, 1566, 1144, 1206, 798]. **Navier** [511, 637]. **Navigation** [1388, 2319, 1861, 306]. **NCCA** [179]. **Near** [1022, 1595]. **Nearest** [1499]. **Nearly** [1714, 380]. **Necessary** [959]. **Necklaces** [156]. **Need** [1140, 276]. **Needed** [2362]. **needs** [1463]. **negation** [4]. **Negotiate** [94]. **Negotiation** [2038]. **Neighbor** [1695, 1499]. **Neighbor-Joining** [1695]. **Neighborhood** [463]. **Neighbourhoods** [1181]. **Nelson** [1141]. **Nelson-Oppen** [1141]. **Neonatal** [994]. **Neonates** [991]. **Nerode** [1615]. **Nested** [1347, 1558, 2109, 17]. **Net** [980, 1136, 2366, 1839, 1746, 1632, 1085]. **NetCard** [41]. **Nets** [1538, 1132, 1821, 1134, 1138, 1820, 1137, 533, 1135, 867, 223, 1131, 367, 1130, 1133, 532, 1839, 1930, 1716, 1226, 1077, 1123, 405]. **Network** [956, 993, 901, 562, 923, 653, 1364, 921, 929, 170, 173, 990, 906, 920, 1009, 965, 688, 961, 1046, 987, 1881, 665, 962, 2101, 615, 1042, 1012, 1390, 730, 967, 176, 2278, 2281, 2024, 1651, 1784, 1747, 1652, 1883, 2231, 1659, 1722, 338, 1004, 1439, 179]. **Network-Based** [993]. **Network-wide** [179]. **Networked** [643, 677]. **Networks** [171, 1041, 1384, 994, 1385, 177, 974, 1321, 977, 1010, 1059, 691, 1091, 1136, 1007, 1822, 512, 1768, 2309, 985, 51, 1824, 715, 1792, 963, 555, 2276, 1016, 431, 1618, 192, 458, 978, 992, 1322, 538, 247, 697, 208, 2291, 1003, 698, 968, 920, 716, 1870, 1055, 737, 1011, 909, 2020, 1015, 1001, 1110, 996, 1761, 1735, 1648, 1901, 1750, 1730, 717, 2275, 1871, 1066, 2018, 1127, 384, 1984, 1121]. **Neumann** [973]. **Neural** [1771, 956, 994, 988, 957, 993, 974, 977, 1010, 1007, 512, 2309, 983, 2301, 715, 963, 2276, 1016, 958, 431, 990, 978, 992, 726, 2291, 1003, 698, 968, 1009, 965, 716, 961, 987, 693, 1870, 737, 1011, 962, 615, 2020, 1015, 1012, 1001, 1390, 730, 967, 996, 2281, 2024, 1747, 1883, 1750, 717, 2275, 1871, 1004, 2018, 1439, 384, 985]. **Neural-Like** [1771, 2301]. **Neuro** [982, 1886, 421]. **Neuro-Computer** [982]. **Neuro-Fuzzy** [1886]. **Neuro-Fuzzy-Classifer** [421]. **Neurodynamics** [966]. **Neuroendocrine** [955]. **Neurofuzzy** [1881]. **Neurons** [1384, 2275]. **neurosurgery** [302]. **neurosurgical** [304, 303]. **Neutrality** [1807]. **Newton** [130]. **Newtonian** [104]. **Next** [1630]. **NIC** [964]. **Nice** [257]. **Nicolson** [111]. **NL** [1691]. **NL-hard** [1691]. **NLP** [1435]. **Node** [1417, 142, 1337, 665, 1713, 1723]. **Node-Deletion** [1337]. **Nodes** [65, 1976]. **Noetherian** [799, 810]. **Noise** [745, 614, 2317, 1692, 377]. **Noisy** [839, 2298, 1902]. **Nominal** [2337]. **Non** [2355, 1772, 1922, 534, 1503, 282, 512, 2201, 2253, 553, 83, 1160, 1334, 523, 516, 1102, 1773, 1193, 254, 1150, 305, 998, 765, 2268, 637, 1477, 2300, 2240, 2068, 1257, 1456, 1462, 1474, 1245, 1468, 1471]. **Non-archimedean** [2253]. **Non-confluence** [1922]. **Non-constrained** [2068]. **Non-Context-Free** [553]. **Non-degeneracy** [254]. **Non-deterministic** [2355].

Non-elementary [1102]. **Non-functional** [1193]. **Non-Ground** [523, 1462]. **Non-Horn** [1150]. **Non-Interactive** [1334]. **Non-invasive** [305]. **Non-Liftable** [1160]. **Non-linear** [1773, 2268, 2300, 1257]. **Non-local** [534]. **Non-Monotonic** [516, 1477, 1456, 1474, 1468, 1471]. **Non-overlapping** [637]. **Non-recurrent** [512]. **Non-refinable** [1503]. **non-regular** [1245]. **Non-rigid** [282, 765, 2240]. **Non-Standard** [83]. **Non-Symmetric** [1772]. **Non-trivial** [2201]. **noncommutative** [817]. **Nondeterminism** [1300, 1342, 198]. **Nondeterministic** [2199, 1401, 183, 1844]. **None** [2187]. **Noninvasive** [766]. **Nonlinear** [713, 1616, 1518, 726, 1005, 1851, 1221, 1205, 1214, 1548]. **nonlinearity** [1548]. **nonlocal** [1221]. **Nonmonotonic** [1103, 2382, 518]. **Nonmonotonicity** [1105]. **Nonperiodic** [1286]. **Nonregular** [1324]. **Nonsingularity** [123]. **Nonsymmetric** [511]. **Norm** [2356]. **Normal** [1152, 1309, 2338, 750, 1851, 872]. **Normalisation** [347, 335, 1908, 802]. **normalisations** [408]. **Normalization** [1669, 2369, 394]. **Normalized** [2253]. **Norms** [894]. **Notarization** [49]. **Note** [549, 461, 1824, 260, 581]. **Notes** [135]. **Nothing** [1528]. **Nourishment** [1733]. **Novel** [570]. **Novices** [2127]. **NOWs** [172]. **NP** [251, 1302, 2214, 2225, 1848]. **NP-hard** [2225]. **NSM** [175]. **NTRU** [823]. **NUMA** [2096, 654]. **Number** [2164, 1599, 2172, 1447, 65, 1693]. **Numbers** [708, 1294, 384, 1255]. **Numerical** [104, 105, 2330, 109, 110, 113, 122, 1426, 124, 2008, 134, 135, 137]. **Nuprl** [1161, 1164]. **Nuprl-Light** [1164].

OBDD [2223]. **OBDD-Representations** [2223]. **OBDDs** [1694]. **Oberon** [277, 276, 281]. **Object** [491, 439, 2303, 603, 1019, 1534, 1054, 1800, 1924, 1021, 643, 1199, 2287, 2104, 940, 1036, 588, 74, 2131, 1957, 2137, 1028, 599, 1704, 2252, 2278, 2238, 1037, 1025, 1020, 1654, 2241, 1676, 1636, 2286, 2288, 1660, 2240, 1635, 1566, 574, 598, 1960, 309, 20, 1965, 1646]. **Object-** [1037]. **Object-Based** [940, 74]. **Object-Oriented** [491, 1019, 1534, 1800, 1021, 643, 1199, 1036, 2131, 1028, 1020, 1676, 1636, 1566, 1957, 20, 1965]. **Object-Stacking** [1660]. **Object-Z** [439]. **Objective** [2098]. **Objective-Oriented** [2098]. **Objects** [1418, 2302, 782, 735, 1030, 484, 650, 504, 277, 1596, 743, 1634, 1039, 276, 585, 1023, 1034, 1032, 1877, 397, 1544, 1224]. **Oblique** [1869]. **Oblivious** [841, 1988]. **Observable** [422, 2196]. **Observables** [1318]. **Observation** [536]. **Obstacle** [1571]. **Obstacles** [1277]. **Obtained** [750]. **Obtaining** [2324]. **Occam** [614]. **Occluded** [1004]. **Occurrence** [1839]. **ocular** [327]. **Oculo** [957]. **Oculo-Motor** [957]. **Odd** [1278]. **ODE** [117]. **ODP** [781]. **Off** [1841]. **Offline** [2352]. **offs** [1298]. **Offset** [1603, 1587]. **Offset-Polygon** [1603]. **Oh** [101, 1856]. **Oil** [632]. **Olan** [1959]. **Olfactory** [1007]. **Olufsen** [1137]. **omega** [1287]. **omega-rational** [1287]. **omegaMEGA** [1153]. **OMG** [565]. **Omnidirectional** [279]. **On-Line** [1321, 1579, 696, 1592, 1557, 1595, 1849, 1969, 219, 1983, 1997]. **On-the-fly** [1251]. **Once** [1300, 2214]. **Oncology** [418]. **One** [838, 2172, 2307, 116, 256, 187, 2340, 2377, 251, 266, 1323, 130, 2218, 1685, 809, 810]. **One-Counter** [1323]. **One-Dimensional** [2218]. **One-Separation** [256]. **One-Step** [2307, 809]. **One-Way** [838, 266, 187]. **One-Word** [2377]. **Ones** [1709, 1988]. **Online** [1387, 281]. **Onset** [991]. **onto** [1608]. **Ontological** [2379]. **Ontologies** [244]. **OO** [439]. **Op** [1398]. **Opal** [499, 817]. **Open** [1064, 1293, 2115, 1065, 1937, 1940]. **Open-Ended** [2115]. **Opera** [1414]. **Operating** [170, 1544]. **operation** [1948]. **Operational**

[1926, 2033, 1340, 688, 2132, 2079, 1369].
Operations [482, 1358, 820, 794]. **Operator** [122, 790]. **Operators** [2106, 840, 1407, 2282, 185, 2026, 2297].
ophthalmic [311]. **Oppen** [1141].
Opportunities [1853]. **Opt** [1582]. **Optical** [1321, 2265, 2317]. **Optimal** [21, 1910, 2355, 1714, 838, 345, 635, 1688, 146, 256, 119, 1976, 645, 477, 1985, 1589, 1702, 1704, 1022, 2219, 1595, 2371, 1843, 1848, 1531, 1715].
optimality [1984]. **Optimally** [827, 2260].
Optimisation [2313, 1875, 1876, 1561].
Optimising [1536]. **Optimization** [1771, 524, 1756, 713, 572, 2007, 457, 684, 633, 892, 588, 2273, 599, 967, 1581, 2009, 2008, 2016, 719, 732, 459, 595, 1117].
Optimizations [937, 930, 935]. **Optimized** [1559]. **Optimizing** [723, 57, 346, 1533, 694, 1029]. **Optimum** [248, 1335, 249]. **Oracles** [2177]. **orbital** [288]. **Order** [2364, 505, 1663, 481, 1147, 913, 117, 450, 1540, 1304, 1669, 1355, 526, 362, 1932, 1909, 865, 1378, 1327, 1831, 1164, 1279, 243, 1718, 531, 2358, 848, 2162, 1023, 1908, 2113, 2064, 2347, 2350, 1680, 1681, 2359, 2360, 1852, 2233, 2352, 1682, 1310, 134, 870, 871, 2297, 1258, 1951, 403, 809, 818, 810].
Order-Sorted [1718, 818]. **Ordered** [1300, 1739, 53, 1159, 1628, 193]. **Ordering** [479, 1694, 801]. **Orderings** [1096, 480, 153].
Orders [1160, 2228, 808, 1075]. **Ordinal** [387]. **Ordinary** [113, 1273]. **Ordinates** [509]. **ordination** [1964]. **Organic** [1640].
Organisations [1176]. **Organization** [957, 975, 1355, 2379, 1782]. **Organizational** [29, 1659, 1642]. **Organized** [1438, 241].
Organizing [1014, 758, 1008, 695, 694].
Orientation [1822, 770, 1207].
Orientations [1686]. **Oriented** [491, 1019, 428, 1534, 2262, 1800, 1021, 643, 1199, 883, 1036, 1637, 2131, 2098, 1028, 1026, 1524, 1037, 1020, 1676, 1636, 1034, 1566, 1430, 1123, 1957, 20, 1965]. **Orthogonal** [1599, 1138, 57, 63, 1412, 1330, 1601, 1978].
Orthomodular [2197]. **orthopedic** [330].
Osaka [279]. **OSAM** [910]. **Oscillations** [955]. **Oscillatory** [959]. **Other** [154, 848, 1963]. **Out-of-Core** [661].
Outliers [1898, 1902]. **Outlook** [711].
Output [1144, 1948]. **Overcome** [674, 2274]. **Overcoming** [666]. **Overhead** [940, 1748, 1990]. **Overlapped** [660].
Overlapping [1626, 637]. **Overlaps** [1851].
overload [1120]. **Overloading** [1682].
Overriding [2106]. **Overshootings** [727].
Overview [1092, 2325, 1814].
P [2214, 134]. **P-stable** [134]. **P1363** [45].
P4 [141]. **P4-connected** [141]. **P506** [912].
PA [1930]. **PA-Processes** [1930]. **PAC** [1498]. **Package** [1528, 816]. **Packages** [500, 875]. **Packet** [1059, 1685, 1956].
packing [1968]. **Pagenumber** [53]. **pages** [1990]. **Pain** [413]. **Pair** [768]. **Pairwise** [1606]. **Pallets** [1608]. **Palliating** [2377].
Pan [916]. **Pan-European** [916]. **Panacea** [435]. **Pancreatic** [959]. **Panel** [1546].
Paper [1166]. **Parabolic** [116, 133].
Paradigm [831, 985, 1362, 1783].
Paradigms [988, 2337, 563]. **Parallel** [1739, 675, 2303, 1780, 508, 1234, 669, 53, 106, 949, 542, 1236, 177, 624, 647, 943, 783, 780, 1756, 668, 110, 842, 572, 552, 642, 643, 677, 1228, 1312, 512, 1768, 947, 680, 146, 180, 682, 655, 650, 664, 555, 207, 1891, 1684, 1593, 168, 649, 1785, 638, 953, 504, 644, 1741, 1781, 150, 507, 645, 633, 632, 941, 1773, 663, 2090, 514, 622, 1235, 676, 678, 1828, 670, 662, 2092, 626, 628, 2098, 1742, 1589, 1302, 2109, 1421, 2120, 1776, 637, 634, 948, 176, 950, 630, 1743, 1775, 1783, 1744, 1717, 1594, 1763, 1778, 2283].
Parallel [1748, 1786, 1749, 1750, 1779, 1766, 1791, 2102, 1767, 79, 1734, 1788, 640, 1411, 652, 808, 1961, 1984, 804, 1999, 2383].
Parallel/Distributed [664].
Parallelisation [660]. **Parallelism** [937, 651, 1762]. **Parallelization** [931, 629, 572, 661, 510, 509, 656, 671, 666].

Parallelized [940]. **Parallelizer** [952].
Parallelizing [941, 659, 2357, 1748].
Parameter
 [2303, 2053, 966, 1198, 2313, 1210].
Parameter-Induced [1198].
Parameterised [2359]. **Parameters**
 [593, 2016]. **Parametric**
 [2364, 216, 299, 939, 998, 1594].
Parametrically [591]. **Paramodulation**
 [2045]. **Parasitic** [961]. **Parity** [193].
Parsimony [1697]. **Part** [2333].
Part-of-Speech [2333]. **Partial**
 [1258, 527, 1951, 2177, 1168, 526, 364, 1341,
 158, 1706, 2272, 2204, 1852, 2233, 1112, 808,
 1075, 6, 794]. **Partial-order** [1258].
Partializing [485]. **Partially**
 [1739, 1331, 422, 2196].
Partially-Observable [2196]. **Particle**
 [670, 683]. **Partition** [601, 1335, 249].
Partitioned [2199, 1561]. **Partitioning**
 [943, 1559, 1181, 1511, 1328, 2014, 1738,
 1715, 1411, 143]. **Partitions** [145, 592].
Partly [1565]. **Parzen** [1896].
Parzen-Windows [1896]. **Passing**
 [655, 685, 1918, 1943]. **Passive** [2323]. **Past**
 [467]. **Path**
 [1591, 152, 1322, 1277, 1602, 801]. **Paths**
 [1740, 1363, 1590, 182, 1320, 1606, 1314, 1341].
Pathway [411]. **Patient** [762, 2247, 305].
Patient-Specific [762]. **Patients** [1879].
Pattern [1583, 1443, 1792, 973, 1425, 1445,
 1833, 2371, 2299, 2025]. **Pattern-Matching**
 [1833, 2371]. **Patterns**
 [1905, 1535, 1036, 1039, 496, 996, 2031, 1037,
 2142, 1038, 2025, 1961]. **paxaconsistent**
 [1466]. **PC** [553]. **PCCG** [1369]. **PCF**
 [399, 407]. **PC's** [647]. **Pebbles** [1846].
Pedagogic [2126]. **Pedestrian** [2239].
pedicle [319]. **Peers** [1142]. **Peers-mcd**
 [1142]. **PEFPT** [667]. **Peirce** [1345].
Penalties [1711]. [289, 290, 643, 682]. **2**
 [2116]. **Ada** [1193]. **B-ISDN**
 [911, 905, 1042]. **CPN** [533]. **CT** [316].
Distributed [664]. **E** [217]. **HOL** [1678].
Integration [912]. **MAC** [1527]. **O** [2099].
Output [572]. **PC** [848]. **Resume** [790].
second [1525]. **SNMP** [921]. **SW** [1237].
unfolding [2354]. **Video** [1137]. **Wavelet**
 [627]. **Pendulum** [1615]. **PENELOPE**
 [1117]. **Pentium** [1531]. **PEP** [1262, 528].
Perceptual [1008]. **percutaneous**
 [301, 321]. **Perform** [1692, 2193].
performability [1116, 1117]. **Performance**
 [683, 1695, 1562, 647, 1756, 1178, 635, 627,
 677, 970, 453, 506, 190, 1558, 631, 638, 502,
 633, 663, 659, 501, 621, 1634, 359, 1440, 1881,
 686, 687, 623, 2279, 1765, 2102, 658, 1122,
 1124, 1121]. **Performance-Enhanced** [453].
PERicardial [300]. **Permutable** [1286].
Permutation [1740, 2242, 1708, 2243].
Permutations [266]. **Perpetual** [1325].
Perpetuality [2369]. **Persistent**
 [1027, 376]. **Person** [351, 356, 352, 353, 338].
Personal [1643]. **Personalities** [99].
Personalized [928]. **Perspective**
 [1051, 789, 1419, 886, 1348, 1935, 1175].
Perspectives [1490, 77, 1094]. **Persuasion**
 [2038]. **PET** [1212, 747]. **Petri**
 [1538, 1132, 1821, 1134, 1138, 1820, 1136,
 1137, 533, 1135, 367, 1123, 1130, 1133, 532,
 1839, 1746, 1930, 1085]. **pH** [949]. **Phantom**
 [2293, 317]. **Phase**
 [109, 339, 1133, 134, 226, 295]. **Phase-Lag**
 [134]. **Phase-Type** [1133].
Phase-weighted [339]. **Phenomena**
 [2005, 1773]. **phone** [1122]. **Phoneme**
 [1003]. **Phonetic** [2328]. **Photos** [344].
Phrasal [1436]. **Phylogenetic**
 [1447, 990, 1712]. **Phylogeny** [1695].
Physical [1709]. **Physics** [672]. **Pi** [2189].
Pi-Calculus [2189]. **Picture** [2276, 1310].
Pictures [2302]. **Piecewise** [1295, 970].
piercing [1999]. **PIERS** [622]. **Pilot** [1063].
Pipeline [1758, 936]. **Pipelining** [1752].
Pitfalls [1148]. **PiZA** [436]. **Placement**
 [1603, 71, 944, 323]. **Plan** [426, 424]. **Planar**
 [53, 152, 257, 64, 154, 1972, 1981].
Planarity [1611, 1586]. **Plane**

[52, 1597, 1277, 2256, 2319]. **Planetary** [2318]. **Planning** [99, 1571, 610, 1504, 2286, 423, 302, 327, 325]. **Plans** [1638]. **Plant** [734, 1012, 717]. **Plants** [1010, 1793]. **Plastic** [955]. **Platform** [1637, 1965]. **Platoon** [221]. **Plausibility** [1173]. **Plausibility-Centred** [1173]. **Play** [2150]. **PLC** [776]. **PLC-Automata** [776]. **PLTL** [872]. **Plug** [2150]. **Point** [1573, 1604, 271, 2243, 2285]. **Pointer** [951]. **Pointer-Linked** [951]. **Pointers** [174]. **Points** [964, 1689, 2242, 1827, 961, 1589, 2244, 1732]. **Polar** [2321, 283]. **Polarized** [2068]. **Polaron** [104]. **Policies** [1172]. **Policy** [1546, 2196, 1543]. **Political** [2095]. **Pollution** [112]. **Polygon** [1603, 1587, 1577]. **Polygon-Offset** [1587]. **Polygonal** [1688, 1572]. **Polygons** [256, 1412, 1595, 1598]. **Polymorphic** [1910, 76, 483, 870]. **Polymorphism** [78, 1909, 1912, 530]. **Polynomial** [1526, 1271, 252, 115, 259, 187, 2146, 1671, 199, 1831, 185, 1832, 2216, 2191, 2232, 799]. **Polynomial-time** [187]. **Polynomials** [1301, 1282, 1549]. **Ployploidy** [460]. **Polytopes** [1586]. **Polyvariance** [78]. **pomset** [1085]. **Pool** [2096]. **Pool-Based** [2096]. **Poppycock** [435]. **Population** [1897]. **PORT** [1362]. **Portable** [888, 173]. **Portfolio** [635]. **Pose** [2287, 2286]. **Posedness** [2250]. **Posets** [2197, 1605]. **Position** [1657, 692, 770, 1595, 806]. **Position-Independent** [1595]. **Positive** [1347, 2188]. **Possibilistic** [1088, 1091, 35, 1094]. **Possibilities** [978]. **Possibly** [1668, 87]. **Posteriori** [745]. **Postmodernism** [1095]. **Potential** [914, 651]. **Power** [674, 1010, 1295, 1344, 1578, 1331, 501, 728, 1012, 2215, 2217, 530, 193, 1459, 15]. **Power-Free** [2217]. **Powerful** [986, 1154, 1988]. **Powers** [153]. **Practical** [41, 2178, 1147, 441, 970, 1545, 40, 1104, 1029, 88, 1146]. **Practice** [1179, 2090, 364, 1276, 88, 1980]. **Pragmatic** [2129, 1237]. **Pre** [1008, 1055]. **Pre-compressed** [1055]. **Pre-processing** [1008]. **precise** [301]. **Precision** [978]. **Preconditioner** [1788]. **Preconditioners** [511, 637, 136]. **Precorrected** [747]. **Predecessor** [181]. **Predefined** [2298]. **Predicate** [1019, 935, 1378, 2343]. **Predicated** [935]. **Predicates** [1407, 705, 2145]. **Predicting** [727, 968]. **Prediction** [117, 1508, 1005, 2021]. **Predictions** [2091, 2351]. **Predictive** [1003]. **Predictor** [2268]. **Preemption** [2101]. **Preference** [1096]. **preferences** [13]. **Prefix** [869]. **preliminary** [330]. **preorders** [1239]. **Preprocessing** [709, 972]. **Preprocessor** [678]. **Presburger** [1260, 1081]. **Presence** [1449, 1914, 1692]. **Present** [467]. **Presentation** [2077, 1679]. **Presented** [1845, 795, 796]. **Preserve** [365]. **Preserving** [1183, 797]. **Presheaf** [1373, 2078]. **Pressing** [1382]. **Prevalence** [2163]. **Priced** [2041]. **Primal** [1337]. **Primal-Dual** [1337]. **Prime** [2162]. **Primes** [2218]. **Primitive** [403, 174, 1023]. **primitives** [1964]. **Principal** [515, 750, 2240, 1218]. **Principle** [1433, 2070]. **Principles** [887, 975, 2085]. **Printed** [1610]. **Prior** [752, 962]. **priori** [316]. **Priorities** [546]. **Prioritised** [1104]. **Prioritized** [23]. **Priority** [1134, 518, 1984]. **Privacy** [841, 928, 2166]. **Private** [1313]. **Proactive** [2176]. **Probabilistic** [1227, 1316, 1091, 1317, 1508, 213, 787, 788, 1082, 490, 2347, 1520, 1213, 1243]. **Probabilistic-Timed** [788]. **Probabilities** [461, 1998]. **Probability** [188, 1297, 1896]. **Probably** [1033]. **Probe** [1016]. **Problem** [104, 721, 994, 1501, 1141, 475, 1687, 540, 1615, 635, 664, 1447, 119, 1322, 899, 729, 156, 561, 126, 1335, 1232, 249, 71, 130, 1622, 1576, 2250, 1842, 1710, 1588, 1575, 1580, 2123, 2274, 1383, 1972, 1215, 1987, 791, 800].

Problem-Solving [721, 899]. **Problems** [1771, 268, 105, 829, 1854, 211, 1603, 977, 246, 206, 114, 465, 1591, 116, 77, 232, 638, 121, 259, 978, 863, 122, 452, 1154, 1337, 678, 1198, 2153, 2326, 1327, 1296, 1832, 599, 976, 967, 1833, 1774, 1743, 250, 1834, 1581, 2222, 1845, 1713, 836, 2017, 133, 2143, 134, 640, 136, 733, 1978, 1980, 20, 1476, 1991, 795, 2000, 2002]. **Procedural** [948, 1782, 1471]. **Procedure** [520, 1615, 1357, 1785, 1356, 1240]. **Procedures** [1141, 1147, 1928, 371, 409, 1155, 1673, 1919, 741, 303]. **Process** [534, 1502, 175, 220, 170, 877, 1325, 727, 788, 694, 1314, 1024, 1430, 1754, 1958, 1964]. **Process-Oriented** [1430]. **Processes** [1414, 1086, 1538, 1132, 1316, 481, 974, 783, 780, 1318, 1800, 1315, 682, 777, 80, 535, 223, 1123, 787, 411, 1323, 2196, 1918, 1818, 72, 1243, 1930]. **Processing** [1391, 669, 723, 2168, 1559, 2301, 1792, 963, 619, 995, 1412, 1013, 997, 1365, 359, 1557, 1565, 1742, 1770, 1362, 1783, 2313, 2315, 1892, 1786, 2378, 1767, 1144, 932, 1411, 652, 1220, 1008]. **Processor** [505, 25, 2096, 1665, 2091, 1531, 1752, 1769]. **Processors** [1533, 555, 506, 1837, 1745]. **Product** [144, 247, 697, 881, 876, 1070]. **Production** [1016, 886]. **Products** [1732]. **Profile** [342, 1218]. **Profiler** [2092]. **Profiles** [240]. **Profiling** [1539]. **PROforma** [409]. **Progification** [1676]. **Prognosis** [994]. **Progol** [2332, 2333, 2339, 2346]. **Program** [937, 84, 369, 270, 1202, 445, 488, 498, 652]. **Programmable** [1952]. **Programming** [2184, 1663, 2329, 483, 1922, 1398, 1019, 2107, 642, 1731, 465, 466, 455, 2007, 453, 1667, 1189, 655, 2122, 646, 492, 1618, 499, 523, 516, 1230, 654, 280, 1129, 2126, 2338, 270, 2326, 2108, 2124, 451, 1281, 950, 1026, 1649, 2111, 2343, 2009, 1640, 1764, 1034, 2327, 2013, 2349, 2016, 1752, 2123, 732, 1472, 1473, 1470, 1465, 1082, 1453, 2384, 815, 2383]. **Programming-with-Proofs** [1922]. **Programs** [491, 1300, 587, 583, 519, 1195, 524, 521, 517, 536, 370, 366, 857, 1357, 1256, 1666, 2356, 73, 363, 77, 649, 81, 1540, 82, 1781, 940, 663, 1193, 864, 367, 2340, 784, 2357, 361, 1633, 651, 2120, 1539, 948, 2214, 263, 1744, 2344, 1786, 2230, 2067, 1751, 1766, 1192, 379, 1951, 8, 1457, 1469, 1974, 1844]. **Progress** [225, 1796, 1247]. **ProHos** [505]. **ProHos-1** [505]. **Project** [1063, 1346, 1190, 1068, 1397, 360, 1249, 1464, 912, 1536, 271]. **Projection** [1371, 768, 999, 2020]. **Projections** [1356, 316]. **Projective** [2242, 2244, 2243, 1730]. **Projectivity** [996]. **Prolegomena** [516]. **Prolog** [366, 363]. **Promises** [1656, 1386]. **Proof** [1166, 469, 2046, 2366, 1357, 867, 1669, 371, 1162, 1308, 213, 787, 405, 1814, 2085, 1356, 2191, 2066, 1848, 1679]. **Proof-Nets** [867]. **Proof-on-Paper** [1166]. **Proofs** [1922, 1168, 1157, 2056, 837, 479, 2213, 494, 2194, 2067, 1163, 1144, 383]. **Propagation** [1288, 1136, 626, 1774, 2257]. **Proper** [1740]. **Properties** [2361, 543, 148, 392, 1301, 73, 1304, 701, 1337, 2110, 820, 7, 1081]. **Property** [1372, 1152, 1709, 797]. **Proposal** [911, 276]. **Proposals** [828]. **Propositional** [1098, 367, 865, 2065, 1848, 1156]. **Prospecting** [632]. **Prospectives** [1542]. **PROT** [1795]. **Protection** [1055, 1554]. **Protective** [728]. **ProtectOS** [1544]. **Protein** [1805]. **Proteins** [1804]. **Protocol** [829, 220, 539, 38, 1244, 1957, 1239]. **Protocols** [1934, 203, 822, 839, 1670, 409, 2146, 1058, 1071, 1551]. **proton** [327]. **Prototype** [907]. **Prototyping** [74, 815]. **Provable** [43]. **provably** [1248]. **Prove** [2146]. **Prover** [1662, 1142, 1154, 1149, 1156]. **Provers** [1668]. **Provide** [1065]. **Providers** [913]. **Providing** [502, 2377]. **Proving** [1664, 480, 802, 1613, 73, 1143, 1161, 899, 1081, 1150, 1746, 1464, 801, 794]. **Provision** [928, 1042]. **Provisional** [409]. **Provisioning** [1068]. **Proximate** [1589].

Przymusinski [1460]. **PSched** [2095].
Pseudo [2164, 630, 2019].
Pseudo-Bacterial [2019].
Pseudo-Random [2164]. **Pseudo-spectral** [630]. **PSPACE** [1375].
PSPACE-complete [1375]. **Psychological** [160]. **PTTP** [1149]. **PTTP-based** [1149].
Public [2159, 2161, 44, 2153, 833, 821, 843].
Public-Key [2159, 44, 2153, 821, 843].
Publishing [2133]. **Pulse** [981, 2275].
Pulse-Coding [2275]. **Pump** [993].
punctures [300]. **Pure** [855, 366, 401, 396].
Purpose [1391, 1661]. **Pursuit** [1572].
Pursuit-Evasion [1572]. **Pushdown** [198, 1076]. **PVM** [510]. **PVS** [1664, 1670, 1241]. **Pyramid** [2277].

QCD [105]. **QRS** [1009]. **Qu** [2158].
Qu-Vanstone [2158]. **quadrangulations** [1994]. **Quadratic** [738]. **Qualitative** [1500, 609, 433, 946, 986, 72, 1907]. **Quality** [215]. **Quantal** [958]. **Quantification** [1098, 2065]. **Quantificational** [1719].
Quantified [2370, 1111, 1848]. **Quantifier** [1113]. **Quantifiers** [2107, 1470]. **Quantiles** [1897]. **Quantitative** [986, 474, 1264].
Quantity [215]. **quantizer** [382].
Quantum [2168]. **Quasi** [683, 856, 2248, 1991, 1229, 639, 1256].
Quasi- [856]. **Quasi-binary** [2248].
Quasi-fully [1991]. **Quasi-minimal** [1229, 639]. **Quasi-particle** [683].
quasi-stable [1256]. **Quasiperiodicity** [1289]. **Queries** [14, 856, 181, 1657, 152, 1375, 2377, 2348, 2232, 13, 3, 20]. **Query** [1559, 1591, 1493, 860, 1412, 2377, 1557, 1560, 1565, 1831, 1892, 2, 7, 4, 1471].
Querying [1, 1427, 2381]. **Question** [87, 1485]. **Question-Based** [1485].
Questions [449, 595]. **Queue** [2091, 1127].
queueing [1984]. **Queues** [1011, 1074, 1545]. **queuing** [1127]. **Quick** [685, 2010]. **Quotients** [1681].

R [368, 1137, 1417]. **R-trees** [1417].
ROSON1 [251]. **ROSON1-tt** [251]. **R8000** [1752]. **Rabin** [1703, 837]. **Rabin-Type** [1703]. **Race** [1188]. **Radial** [691].
Radiation [631, 1802, 445]. **radicals** [1971].
radiographies [289]. **Radon** [2254]. **Rail** [1482]. **Rail-Inspection** [1482]. **Railroad** [475]. **railway** [1946]. **RALL** [1163].
Random [258, 594, 744, 2164, 2177, 593, 209, 2211, 756, 2026, 844, 2267, 1907, 286].
Random-Self-Reducibility [209].
Randomization [1300]. **Randomized** [377, 1588, 1982, 11, 1998]. **Randomness** [1298, 1334]. **Randomness-Efficient** [1334].
Randoms [747]. **Randoms-Precorrected** [747]. **Range** [322, 2278, 767, 1690].
Rankings [1706, 159]. **Rapid** [840]. **Rat** [431]. **Rate** [972, 127]. **Rated** [1886]. **Rates** [1525, 1126]. **Ratio** [57, 336]. **Ratio-based** [336]. **Rational** [1290, 92, 1823, 117, 1331, 1113, 2041, 1287, 798]. **rationale** [1128].
Rationality [893]. **Ray** [764, 291, 290].
Razor [614]. **RBF** [338]. **RBFNN** [969].
RC4 [834]. **RDBMS** [1562]. **Re** [1632, 547, 556]. **Re-use** [1632]. **Reach** [1623]. **Reachability** [1076, 1324, 476, 1622, 1246]. **Reaction** [109, 116]. **Reaction-Diffusion** [116].
Reactive [99, 238, 536, 96, 537, 443, 1015, 550, 1674, 1073, 1947, 1267, 1069]. **Reactor** [722]. **Read** [1300, 2214, 2233]. **Read-Once** [1300, 2214]. **Real** [1185, 772, 894, 164, 646, 304, 708, 613, 2239, 1294, 776, 778, 418, 100, 785, 451, 2323, 2218, 2289, 1654, 279, 1701, 1931, 1700, 1120, 1264, 309, 1989]. **Real-Life** [164]. **Real-Scale** [1185]. **Real-Time** [772, 894, 2239, 776, 778, 100, 785, 2323, 2218, 2289, 1654, 1931, 1120, 1264, 309, 1989].
Real-Valued [451]. **Realisation** [909].
Reality [2259, 1810, 318, 311, 298, 332].
Realization [2356, 1643]. **Realizing** [2177, 2346]. **Really** [276]. **Reals** [1825, 2222]. **Realtime** [1203, 1979].
Rearrangeable [1729]. **reason** [2385].

Reasoner [1484]. **Reasoning** [1500, 1071, 1096, 1501, 520, 1089, 1502, 1147, 37, 529, 1903, 1503, 434, 2048, 897, 1478, 1486, 1504, 1493, 1100, 516, 1507, 371, 1101, 1102, 474, 1103, 1479, 1480, 33, 2040, 2036, 1106, 1482, 419, 1505, 1111, 1860, 2346, 518, 1139, 1902, 1509, 1114, 1456, 1474, 1458, 1477]. **rebalancing** [1993]. **Reception** [2173]. **Receptive** [982, 2236]. **Recessive** [1396]. **Recipe** [443]. **Recognition** [2303, 2328, 345, 2309, 1792, 343, 861, 1008, 341, 705, 358, 997, 347, 335, 1003, 348, 344, 359, 599, 996, 2279, 1006, 1801, 2310, 2278, 2238, 1595, 2286, 2299, 2240, 2290, 1004, 1805]. **Recognizability** [1341, 158]. **Recognizable** [1331, 1256]. **Recognize** [1293]. **Recognizing** [1434]. **Recombination** [1812]. **Recommendation** [163]. **Recomputation** [2120]. **Reconfigurable** [571]. **Reconstructed** [440]. **Reconstructing** [2004]. **Reconstruction** [1695, 1217, 768, 2320, 2014, 2263, 327, 316, 400, 1985, 2001]. **Record** [1925]. **Recordings** [995]. **Recovery** [1556, 2162, 2319]. **Rectangle** [54, 2296]. **rectangles** [1999]. **Rectangular** [1326, 1623, 1838]. **Rectification** [2300]. **rectilinear** [1980]. **Recurrent** [482, 2275, 512]. **Recursion** [1342, 858, 406, 2085, 403]. **Recursive** [1926, 681, 2340, 2116, 961, 868, 1744, 1214, 2297, 398]. **Recursive-Parallel** [1744]. **Red** [261]. **Red-Black** [261]. **Redex** [2121]. **Reduce** [718, 697]. **Reduced** [831, 819, 83, 359, 556, 1990]. **Reducibility** [209]. **Reduction** [1372, 2153, 704, 951, 1330, 2234, 1258, 407, 813]. **Reductions** [1340, 1374, 526, 367, 2362, 870]. **Redundancy** [852, 2160]. **Reed** [1284]. **Reed-Müller** [1284]. **Reference** [528, 2386]. **refinable** [1503]. **Refine** [1412]. **Refinement** [2330, 783, 780, 1820, 773, 447, 784, 785, 494, 1915, 1966, 2229, 1919, 227, 1957]. **Refinement-Algebraic** [1966]. **Refining** [1489, 775, 446, 1339, 361, 1674]. **Reflection** [2053, 1928, 1643, 2070]. **Reflections** [2118]. **Reflective** [1563, 1024, 2232]. **Reflexive** [219]. **Reflexivity** [2203]. **Region** [1054, 933, 601]. **Region-Level** [601]. **Regional** [754, 750]. **Regions** [1415, 1799]. **Register** [939, 150, 1232]. **Registered** [754]. **Registers** [547]. **Registration** [605, 2310, 316, 312, 282, 294, 296, 292, 324, 289, 305, 290, 293]. **Regular** [1293, 777, 2211, 183, 1933, 176, 1245]. **Regularities** [2352]. **regularity** [797]. **Regularization** [964, 2269]. **Regulated** [1940]. **Regulation** [1798, 2207]. **Regulatory** [1799, 1801]. **Rehearsal** [762]. **Reinforcement** [1014, 1497]. **Reinventing** [1527]. **Related** [1579, 2159, 246, 1198, 1296, 836, 1991]. **Related-Message** [2159]. **Relating** [225, 2210, 384]. **Relation** [1358, 1380, 1163]. **Relational** [1087, 1926, 699, 1864, 1865, 2352, 597, 1423]. **Relations** [2197, 472, 840, 2203, 1823, 2335, 1056, 2146, 1105, 477, 1292, 1915]. **Relationships** [368, 2033, 1582]. **Relative** [478, 1377]. **relaxations** [1986]. **Relaxed** [261, 1993, 1609]. **relevance** [812]. **Reliability** [1434, 190, 576, 622, 987, 1886, 733]. **Reliable** [1216, 472, 2287, 1617, 1692]. **Reluctance** [718]. **Remote** [276, 174, 1919]. **Remotely** [1529, 2266]. **Removing** [212, 254]. **renal** [301]. **Rendering** [628, 309]. **Rényi** [832]. **Reorganization** [898]. **Repair** [1496]. **Repeated** [1275]. **Repeated-Root** [1275]. **Repeats** [1803]. **Repetitive** [1724]. **Repetitiveness** [2216]. **Replacement** [365, 148, 2206]. **Replication** [1556]. **Report** [62, 418, 1464]. **Repositories** [1360]. **Represent** [1354]. **Representation** [1755, 1136, 2307, 689, 1486, 1115, 1349, 601, 24, 2279, 2140, 2139, 1712, 1488, 299].

Representations [1910, 603, 1054, 1867, 2061, 1462, 309, 2223].
Represented [207]. **Representing** [774, 986, 2082, 1694, 1465]. **Republication** [1632]. **Requirement** [959, 778].
Requirements [1060, 1516, 1385, 1173, 1481, 881, 1032, 1171].
REs [1404]. **Resemblance** [37]. **Resend** [2159]. **Residential** [51]. **Residual** [1229, 639, 349]. **Resilient** [847]. **Resistant** [2178]. **Resistance** [959]. **Resolution** [1461, 2107, 1691, 1357, 343, 1160, 2324, 1159, 2213, 2044, 2194, 2050, 2277].
Resonance [431, 757]. **Resonant** [631]. **Resonant-Mass** [631]. **Resource** [583, 1060, 186, 1299, 906, 917, 1151, 944, 1045]. **Resource-Aware** [583]. **Resource-Based** [944]. **Resource-Bounded** [186, 1299]. **Resource-Distribution** [1151]. **Respect** [2258, 2230, 135]. **Respiratory** [991].
Response [86]. **Responses** [971].
Responsiveness [2100]. **Restart** [2062].
Restarting [545]. **Restoration** [2248, 128].
Restricted [1711, 324, 1693, 2064, 779].
Restrictive [1619]. **Result** [238, 384].
Resultant [1273]. **Results** [934, 2186, 2199, 1091, 1299, 895, 1813, 462, 196, 1335, 1539, 967, 2318, 1917, 1841, 330, 305, 796, 2382].
Retino [999]. **Retino-cortical** [999].
retinography [327]. **Retransmission** [539].
Retrieval [1313, 1490, 1491, 1494, 2141, 1361, 2280, 1720, 2378, 1488].
Retrospective [711, 293]. **Return** [1052].
reusable [1549]. **Reuse** [1177, 930, 1145, 648]. **Reversible** [205].
review [1205]. **REVISE** [1473]. **revising** [1468]. **Revision** [521, 424, 89, 895, 1093, 413, 1104].
Revisited [186, 740, 1611, 1840, 2158, 2].
Rewards [1311]. **Rewrite** [798, 2187, 2208, 478, 471, 801]. **Rewriting** [2361, 542, 142, 543, 2104, 2077, 1140, 75, 1377, 545, 1673, 1718, 2362, 2076, 2075, 2363, 2228, 1851, 807, 809, 818, 797, 804, 810, 803].
Rewritings [2117]. **RICAD** [1493]. **Rice** [2054]. **rich** [1261]. **Ridge** [1395]. **ridges** [1211]. **Right** [101, 941, 2371, 809]. **rights** [1949]. **Rigid** [294, 1296, 2069, 282, 765, 2240]. **Rigidity** [2265]. **Rigidity-Constrained** [2265].
Rigor [2049]. **Rigorously** [441]. **Rings** [847, 1728, 1285, 799, 375, 1999]. **Ripple** [718]. **RISC** [1756, 506, 652]. **RISC-based** [1756]. **Risk** [151]. **Risks** [1422]. **RL** [547].
RNA [1807]. **Road** [2316]. **Robbins** [791]. **ROBDDs** [527]. **RoboCup** [279].
Robodoc [320]. **Robot** [514, 34, 303, 1390, 1388, 279, 1389, 330].
Robot-assisted [303]. **robotic** [329].
Robotics [1014, 1015]. **Robots** [703, 2019].
Robust [333, 1220, 228, 251, 1658, 388, 2272, 1677, 2266]. **Robustly** [1741]. **Robustness** [1898, 1223]. **Role** [1555]. **Roles** [165].
ROM [1527]. **Root** [115, 1275, 1851].
Root-Finding [115]. **Rorschach** [86].
Rosser [804]. **Rotation** [2260].
Rotation-Equivariant [2260]. **Rotations** [2281, 1609, 2245]. **Rough** [1437]. **Round** [838]. **Round-Optimal** [838]. **Roundoff** [135]. **Route** [1830]. **Routers** [2041].
Routing [1686, 1321, 146, 200, 1320, 2209, 155, 1610, 1319, 1685, 2231, 1716, 1988].
Rover [2318]. **Rovers** [236]. **RPC** [174].
RSA [2175, 44, 837, 2176, 2154, 852, 38, 45, 2160, 2171]. **RSA-Based** [2154]. **RSA-Like** [38]. **RSA-Type** [2171]. **Rule** [1501, 521, 1731, 2308, 430, 696, 700, 2058, 1888, 10, 8, 1984, 815]. **Rule-Based** [2308, 430, 815]. **RuleBase** [1268]. **Rules** [2328, 238, 971, 2335, 547, 413, 478, 866, 700, 2079, 2019, 9]. **Run** [1050, 1741, 1027, 2131].
Run-Time [1050, 1741, 1027, 2131].
Runtime [572, 1340].
S [1418]. **S-tree** [1418]. **S0Z** [2201]. **S52C** [866]. **SAC** [848]. **SAC/PC** [848]. **Safe** [2354, 858, 1203, 1033, 585, 1624]. **Safer** [1953]. **Safety** [221, 231, 1248, 1081].

Salesman [465]. **Sample** [846, 372].
Sampling [258, 2011, 286]. **SAR** [605].
Satisfaction [219]. **satisfiability** [2002].
satisfiable [2002]. **SATO** [1156].
Saturations [2340]. **Saw** [1494].
Scalability [1734]. **Scalable** [625, 1485].
Scalar [713, 1207]. **Scale**
 [1772, 1185, 1206, 770, 1046, 1223, 1216, 1226,
 1217, 1212, 1209, 1222, 1218, 1224, 1539].
Scale-space
 [1206, 1223, 1217, 1212, 1222, 1224]. **Scales**
 [2245, 1208]. **Scaling** [191].
Scaling-Invariant [191]. **Scan** [503].
Scan-Directional [503]. **Scanner** [2315].
Scans [754, 747]. **Scenario**
 [911, 905, 1626, 617]. **Scenarios** [1173].
Scene [2308]. **Scenes** [2239, 1979].
Schedufing [1592]. **Schedule** [1741].
Scheduled [1758, 2099]. **Schedulers**
 [2092, 1196]. **Schedules** [253]. **Scheduling**
 [1967, 937, 2096, 938, 1781, 2100, 2090, 1984,
 729, 2098, 2095, 2097, 1588, 2017, 2102, 1767,
 652, 1989, 1998]. **Scheduling-LPs** [1998].
Schema [1568, 975]. **Schema-Based** [975].
Schemas [2142]. **Schemata** [690, 369, 2349].
Schematizations [482]. **Scheme**
 [1686, 1059, 111, 1703, 858, 689, 827, 39,
 1758, 1233, 644, 2126, 1763, 1720, 2261, 1554].
Schemes [851, 2174, 200, 1333, 1702, 129,
 2162, 1680, 133, 871, 1214]. **Schmidt** [1788].
Schur [123]. **Science** [467, 2387]. **Scientific**
 [180]. **SCM** [883, 877, 881, 875].
ScmEngine [878]. **Scope** [589]. **Score** [347].
Scott [857, 806]. **screw** [319]. **screws** [323].
Scripting [1191]. **SDH** [920]. **Sea** [688].
SEAL [1510]. **Seamless** [281]. **Search**
 [1513, 1227, 2366, 570, 149, 1541, 182, 2026,
 1600, 1644, 1737, 597, 574, 1968, 1993, 791].
Searching
 [1236, 29, 1181, 451, 1595, 1713, 1849, 1690].
Second
 [1413, 865, 1378, 531, 1784, 1806, 134, 870].
Second-Class [1806]. **Second-Level** [1784].
Second-Order [531, 870]. **Secrecy** [1934].
Secret [2181, 1549, 1702, 833]. **Secret-Key**
 [833]. **sections** [795]. **Secure**
 [203, 46, 43, 825, 827, 585, 2179, 833, 2166].
Securing [51]. **Security**
 [1934, 1939, 2161, 2165, 928, 837, 926, 2155,
 1529, 488, 245, 927, 1542]. **Seed** [1494].
Segmentation
 [594, 2247, 31, 999, 2276, 758, 755, 2316, 743,
 344, 605, 757, 596, 2314, 731, 742, 284, 2304,
 2236, 2288, 2284, 2016, 1878, 592, 2275, 761,
 2274, 741, 759, 1000, 1219]. **Segments**
 [1590]. **Seismic** [1774]. **Select** [448].
Selected [1707, 452]. **Selection**
 [2303, 461, 1193, 5, 1870, 2010, 2062, 1602,
 1871, 1210, 2387]. **Selective**
 [2105, 852, 2120]. **Selector** [1029]. **Self**
 [957, 1014, 465, 2007, 758, 1008, 259, 209, 695,
 1278, 276, 694, 2264, 2256, 1747, 2070, 1217].
Self-Active [276]. **Self-Adaptive**
 [465, 2007]. **Self-Calibration** [2256].
Self-Connection [1747]. **Self-Dual** [1278].
Self-Duality [259]. **Self-Evaluation** [2264].
Self-Organization [957]. **Self-Organizing**
 [1014, 758, 1008, 695].
Self-Organizing-Process [694].
self-similar [1217]. **Self-Verifying** [2070].
Semantic [483, 2356, 2379, 1174, 1921].
Semantic-Based [1174]. **Semantics**
 [2184, 76, 854, 475, 517, 1344, 2366, 1358, 83,
 81, 523, 486, 2116, 3, 788, 1382, 1644, 1839,
 2063, 1923, 2068, 2233, 98, 226, 1194, 1951,
 1460, 1461, 1948, 1466, 1085].
Semantics-Based [1194]. **Semi**
 [2381, 863, 182, 1909, 1277, 630, 1701, 1171, 1].
Semi-Algebraic [1277]. **Semi-continuous**
 [1701]. **Semi-Dynamic** [182].
Semi-explicit [1909]. **Semi-formal** [1171].
Semi-groups [863]. **Semi-implicit** [630].
Semi-structured [2381, 1]. **semidefinite**
 [1986]. **Semigroups** [500, 1834]. **Sensed**
 [2266]. **Sensing** [1846]. **Sensitive**
 [2362, 1875, 1876, 806, 803]. **Sensitivity**
 [1731]. **Sensor** [1903, 352, 987, 1109, 2237].
Sensorial [960]. **Sensors** [987]. **sentences**

[11]. **Sentential** [2227]. **Sentinel** [2042]. **separable** [1214]. **Separate** [272]. **Separating** [1458, 2074]. **Separation** [600, 970, 256]. **separators** [1977]. **Sequence** [534, 1450, 1496, 990, 1452, 1013, 1805]. **Sequence-Structure** [1805]. **Sequences** [1290, 1451, 749, 1711, 1668, 1343, 606, 1904, 38, 1801]. **Sequencing** [1597]. **Sequent** [2050]. **Sequential** [1315, 207, 663, 2116, 651, 2190]. **Serial** [1756, 754]. **Serializability** [17]. **Series** [53, 1427, 1437, 1400, 1424, 1331, 2215, 2021, 808]. **Series-Parallel** [53, 808]. **Seriously** [438]. **Server** [1057, 1196, 1653, 1124]. **servers** [1984]. **Service** [55, 1065, 913, 916, 1068, 906, 920, 907, 915, 1127]. **Services** [1041, 1052, 1050, 1637, 917, 1053, 909, 1042, 281, 1463]. **SESAM** [352]. **SESP** [360]. **Session** [1546]. **Set** [1573, 140, 482, 36, 500, 346, 256, 1188, 1693, 2058, 1623, 1717, 1856, 1628, 2067, 1907, 1139, 1968, 1215]. **Set-Term** [1717]. **SETHEO** [1145, 1144]. **Sets** [1739, 53, 202, 1437, 1324, 181, 1338, 1691, 1287, 416, 1604, 1150, 266, 2225, 1750, 875, 1297, 1929, 1974, 1987, 1999]. **Setting** [1926]. **Seven** [2000]. **Several** [1563]. **SFP** [485]. **SGML** [2134, 2135]. **SHA** [842]. **Shading** [2250]. **Shafer** [1099]. **Shallit** [1332]. **Shape** [2302, 755, 335, 743, 2074, 2279, 2250, 598, 395, 1222]. **Shape-from-Shading** [2250]. **Shapes** [1726, 2251]. **Share** [1420]. **Shared** [1234, 931, 2175, 2096, 945, 655, 1230, 654, 628, 1784, 1764, 1990]. **Shared-Memory** [1234, 931, 2096, 655, 654]. **Sharing** [1018, 1305, 238, 1702, 1639, 1632, 1549, 805, 406]. **Shedding** [2081]. **Shell** [1660]. **Shift** [95, 2201, 1004, 1449, 314, 1618]. **Shift-Invariant** [2201, 1004]. **Shifts** [754, 2281]. **Short** [2307, 1343, 253, 2377, 2213]. **Short-Length** [2307]. **Shortest** [1740, 152, 1590, 182, 1830]. **Shostak** [793]. **Should** [2022]. **Shoulder** [427]. **SHRIMP** [169]. **Shuffle** [1835]. **Side** [2120, 951]. **Side-Effects** [2120]. **sigma** [2368]. **Sign** [2157]. **Signal** [723, 359]. **Signals** [744, 972]. **Signature** [1427, 851, 2174, 49, 2156]. **Signatures** [850, 2154, 852, 849, 2155, 47, 2160, 2241]. **Signcryption** [2156]. **signs** [2003]. **Silicon** [1395]. **SIMD** [1533]. **Similar** [1424, 1217]. **Similarity** [696, 1498, 1219, 296, 1222]. **Simple** [955, 946, 1804, 1785, 170, 240, 1872, 1598, 1632, 1146, 326, 381, 399, 1600]. **Simplices** [1732]. **Simplification** [480, 2045, 1577, 2228]. **Simplify** [985]. **Simulate** [629, 514]. **simulated** [304]. **Simulating** [1352, 309, 1790, 870]. **Simulation** [683, 109, 1789, 1614, 680, 682, 631, 895, 576, 1773, 2208, 965, 670, 982, 626, 764, 1884, 634, 967, 2318, 1779, 302, 1122, 1084]. **Simulations** [1457, 2022, 644, 623]. **Simulator** [1191, 307, 322]. **Simultaneous** [1452, 1296, 2069, 1987]. **Sine** [118]. **Single** [674, 478, 2124, 172]. **Single-Chip** [172]. **Singularities** [2262]. **Situation** [1086]. **Size** [977, 368, 696, 830, 1745, 1784, 1694]. **sized** [1240]. **Sizes** [463]. **skeleton** [1936]. **skeptical** [1461]. **Sketch** [2066]. **Sketch-as-Proof** [2066]. **Skill** [609]. **Skin** [766]. **skull** [318]. **Sleep** [709]. **Sliding** [736, 1530, 1239]. **Sliding-Mode** [736]. **Slope** [216]. **Slope-Parametric** [216]. **Slovene** [2337]. **Slowed** [1225]. **Sludge** [734]. **Small** [188, 864, 183, 830, 2192, 1625, 1601, 763, 379, 1544]. **SmallEiffel** [273]. **Smallest** [151]. **Smalltalk** [1029]. **Smart** [1203, 566]. **Smooth** [832]. **Smoothing** [457, 2298]. **SNARKS** [1165]. **SNMP** [922]. **Sobolev** [122]. **Social** [974, 391, 93, 163, 393]. **Societies** [898, 160]. **Society** [428, 1438, 241]. **Sockets** [169]. **Soft** [166, 739, 444, 1159, 2294, 165]. **Soft-Link** [444]. **Software** [1177, 1064, 1502, 524, 1532, 467, 985, 878, 873, 389, 1758, 1944, 1479, 1145, 1235, 648,

626, 1525, 1555, 1531, 1752, 233, 1194, 1939, 1248, 1267, 1945]. **Soils** [2015]. **Solution** [1780, 638, 124, 130, 1743, 2318, 134, 1509, 2039, 811]. **Solutions** [465, 916, 1476]. **Solvable** [1845]. **Solve** [393]. **Solver** [2115, 637]. **Solvers** [106, 117, 506]. **Solving** [1771, 721, 1501, 1772, 1309, 120, 458, 899, 1980, 699, 125, 126, 2123, 811, 2017, 733, 1464, 1257, 1119]. **Some** [107, 1091, 1295, 1247, 1607, 206, 553, 259, 1148, 462, 2326, 1250, 967, 1917, 1581, 384, 2057, 1394]. **Sort** [1188]. **Sorted** [2364, 1718, 818]. **Sorting** [1819, 662]. **SOS** [1951]. **Sound** [787, 1002, 1356, 1111, 1914, 1263]. **SOUR** [792]. **Source** [234]. **Space** [551, 1234, 2103, 749, 1359, 1274, 1233, 966, 2192, 1636, 2025, 667, 1216, 1258, 1217, 1206, 1212, 1222, 1223, 1224, 1964, 811]. **Space-Time** [749]. **Spaces** [706, 485, 188, 1271, 122, 869, 1330, 846, 2084, 386, 1118, 1211, 1953]. **Spanning** [248, 1728, 1722, 1975, 1992]. **Sparse** [1780, 946, 1691, 506, 638, 154]. **Sparsed** [1772]. **SPARTH** [1791]. **Spatial** [1405, 1414, 1755, 1408, 740, 1406, 1431, 601, 33, 1410, 1646, 2044, 2266, 1721, 1411, 1208]. **Spatial-Temporal** [740]. **Spatiotemporal** [1409]. **Speaker** [345, 346, 2291, 347, 348, 359, 349, 360, 354, 350]. **Special** [1391, 116, 134]. **Special-Purpose** [1391]. **Specialising** [370]. **Specialization** [1914]. **Specializing** [1912]. **Specific** [762, 1799, 2339, 1189, 11]. **Specification** [90, 2376, 469, 363, 444, 190, 1364, 497, 785, 2205, 1677, 237, 779]. **Specification-Based** [363, 497]. **Specifications** [1663, 918, 536, 1613, 775, 778, 361, 437, 1814, 494, 1678, 2359, 794]. **Specifying** [2200, 443, 2080]. **SPECT** [1210, 316, 750]. **Spectra** [339]. **Spectral** [1002, 126, 129, 2266, 1213, 630]. **Spectral-Spatial** [2266]. **Spectroscopy** [431]. **Spectrum** [418, 349]. **Speculation** [1673]. **Speculative** [935]. **Speculators** [455]. **Speech** [2328, 2333, 353, 1005, 997, 890, 886, 998]. **Speech-to-speech** [890]. **Speed** [177, 1497, 1102, 2191, 1531]. **Speed-Up** [1497, 2191]. **Speed-Ups** [1102]. **Speeds** [2231]. **Spert** [980]. **Spert-II** [980]. **Spi** [1071]. **SPIF** [1190]. **spine** [289]. **Spliced** [1725]. **Splicing** [557, 556]. **Spline** [132, 299]. **Split** [1281, 1284]. **Splitting** [1417, 116, 1327]. **SPNL** [1123]. **Spoken** [889, 888, 884, 92, 1008]. **Spoken-Digit** [1008]. **Sporadic** [1196]. **Sport** [415]. **Spring** [1705]. **SQUARE** [1523]. **Squares** [1444, 128, 640, 136, 1550]. **Stability** [861, 123, 1743, 1747, 135]. **Stabilizing** [513]. **Stable** [1344, 2210, 1461, 1256, 1462, 134]. **stack** [1997]. **stack-up** [1997]. **Stacking** [1608, 1660]. **stacks** [1074, 1545]. **Stage** [1017]. **Stalmarck** [1238]. **Stand** [2198]. **Standard** [971, 83, 670, 45, 1609, 2127, 2269, 1128, 2386, 1516]. **Standardisation** [1768]. **Standardizations** [2071]. **Standards** [1768]. **Star** [146, 1595, 1310]. **Star-Free** [1310]. **Start** [1748]. **State** [1234, 1018, 1400, 911, 119, 1162, 2101, 1904, 1933, 2223, 2013, 1258, 1260, 1118, 1081, 1241, 12]. **State-Space** [1234]. **statecharts** [1079, 1250]. **States** [131, 2218]. **Static** [1019, 77, 921, 458, 1970, 1460]. **Statistical** [994, 964, 735, 749, 2146, 834, 599, 1855, 2288, 747, 760]. **Statistics** [690, 351, 434, 2022, 1220]. **Steady** [109]. **Steel** [621]. **Steiner** [1980, 1722, 1723]. **Steklov** [133]. **Steklov-Type** [133]. **Step** [1413, 780, 2307, 2180, 134, 463, 809, 810, 772]. **Steps** [219, 914, 2133]. **Stepwise** [1966]. **Stereo** [2273, 2271, 2315, 1215]. **stereotactic** [314]. **stereotaxy** [317]. **Stereovision** [2270]. **Stern** [44]. **Stiff** [117]. **Still** [2198, 2378]. **stimulation** [315]. **Stimuli** [1172]. **Stochastic** [1234, 984, 457, 119, 1133, 422, 2192, 1779, 1818, 2277, 1123]. **Stokes** [511, 637]. **Stone** [485]. **Stop** [851]. **Storage** [672, 1118, 1720, 1995]. **Story**

[1170]. **Str** [1263]. **Straight** [2249, 57, 61]. **Straight-Line** [57, 61]. **Strategic** [893]. **Strategically** [569]. **Strategies** [713, 723, 1412, 597, 459, 456, 595, 813]. **Strategy** [1600, 1888, 2029, 2117]. **Stratified** [1370, 1821, 1503]. **Stream** [1519, 1533, 981, 169, 1517, 835, 49]. **Streams** [2157, 2116]. **Strengthened** [122]. **Strengthening** [424]. **Striatal** [956]. **Strictly** [1310]. **Strictness** [1913, 402]. **String** [1584, 797]. **string-rewriting** [797]. **Strings** [543]. **Strong** [1696, 1454, 1908, 394, 408]. **Stronger** [837]. **Strongly** [1689, 207, 1246]. **Structural** [988, 10, 2255, 1199, 611, 1131, 1807, 1782, 2254, 1810, 2079]. **Structural-Procedural** [1782]. **Structure** [559, 739, 450, 2294, 1859, 1733, 1742, 349, 1805, 18, 1224, 811]. **Structured** [603, 2141, 1104, 1814, 2281, 1678, 1, 1118, 2381]. **Structures** [229, 1354, 246, 1450, 1593, 1596, 1412, 622, 698, 67, 2377, 868, 1832, 951, 2387, 1808, 760, 386, 1979, 1218]. **Structuring** [2056, 1037, 1079]. **STS** [1802]. **Stub** [275]. **Studies** [1641, 2079]. **Study** [104, 1350, 882, 1562, 1502, 600, 417, 1491, 1757, 1668, 58, 1005, 1759, 917, 1872, 1683, 2018, 1460, 300, 1944, 289, 1946, 1945]. **Studying** [863, 137]. **Stupid** [1095]. **Style** [1664, 446, 1943]. **Styles** [496]. **Stylesheets** [2136]. **Sub** [756]. **Sub-manifolds** [756]. **subarrays** [381]. **Subband** [345]. **Subclasses** [1700]. **Subdivisions** [1586]. **Subgraphs** [248, 1575]. **Subgroup** [2162]. **Subgroups** [1423]. **Subiteration** [2283]. **Subject** [1372, 231]. **sublinear** [1996]. **Submission** [565]. **Subregion** [1720]. **Subset** [869, 1106, 1403, 286]. **Subspace** [2299]. **Substitutions** [2367, 2358]. **Subtract** [731]. **Substrate** [949, 180]. **Subsumption** [1340, 611]. **Subsystems** [1030]. **Subtraction** [2247]. **Subtree** [454]. **Subtyping** [1910, 76, 484, 1021, 2202, 1925, 2051, 398]. **Subword** [1827]. **success** [1238]. **Successes** [1641]. **Suffices** [1298]. **Sufficient** [2339]. **Suffix** [260, 1983]. **Sugiyama** [65]. **Suitable** [1228]. **Sum** [1336, 2307, 1998]. **Sumatra** [583]. **Superhull** [1689]. **Superimposed** [705]. **Superposition** [2045]. **Superscalar** [1533]. **Supervised** [1210]. **Supervisory** [1624]. **Supplement** [1795]. **Support** [1500, 918, 175, 724, 529, 572, 646, 1493, 278, 659, 1036, 648, 418, 178, 1770, 1058, 1880, 236, 1654, 1862, 1430, 1194, 1466, 1544]. **Supported** [132, 1163]. **Supporting** [1177, 1504, 173, 920, 460, 1766]. **Supports** [1658]. **Surface** [2241, 759, 324, 313, 293]. **surface-based** [293]. **Surfaces** [1497, 756, 2252, 287, 286]. **Surgery** [762, 318, 326, 330, 332, 309, 319, 324, 329, 305]. **surgical** [292, 328, 321]. **Surround** [2236]. **Surveillance** [1422]. **Survey** [213, 1393]. **Suspend** [790]. **Suspend/Resume** [790]. **Suspensions** [624]. **SWISS** [1795, 1061]. **SWISS-PROT** [1795]. **Switch** [172, 1126]. **Switchbox** [155]. **Switched** [718]. **Switching** [1612, 1059, 911, 665, 1981]. **Syllogism** [700]. **symbol** [865]. **Symbolic** [1316, 971, 1324, 1260, 500, 2356, 659, 362, 1410, 476, 1261, 1873, 1931, 1146, 1258, 1247, 1257]. **Symbols** [543, 812]. **Symmetric** [1772, 1665, 507, 1320, 1776]. **Symmetry** [957, 989, 1274, 1705, 526, 1251]. **Synaptic** [992, 451]. **Synchronised** [1044]. **Synchronization** [782, 175, 1291, 656, 1837, 2204]. **Synchronized** [780, 1122]. **Synchronous** [110, 224, 1255]. **Synergies** [2012]. **Syntactic** [2365, 534, 1088, 252, 1199]. **Syntactical** [1090, 695]. **Syntax** [588, 403]. **Synthesis** [524, 536, 1077, 371, 231, 1619, 2039]. **Synthesizing** [230]. **Synthetic** [1376, 100, 2089]. **System** [2328, 41, 647, 355, 888, 1563, 1049, 668, 1903, 92, 1422, 692, 672, 242, 1063, 1137, 736, 1044, 664, 189, 410, 352, 151, 1056, 357, 632,

1169, 1103, 726, 501, 2324, 1013, 358, 928, 727, 40, 1634, 67, 890, 418, 2030, 100, 787, 972, 728, 686, 687, 2040, 2036, 1302, 1396, 70, 125, 24, 1482, 1782, 714, 1388, 2323, 2191, 2238, 1886, 1023, 1651, 1639, 1625, 2313, 1912, 1925, 1628, 1848, 1899, 279, 1862, 767, 556, 281, 712, 1472, 306, 301, 331, 317, 1474, 328, 315, 1947, 817, 1544, 1945, 1475].

Systematic [780, 1745, 2343, 1808, 1875, 1876, 1192, 1465].

Systems [28, 1920, 1780, 549, 106, 202, 2361, 889, 222, 1612, 854, 166, 1772, 546, 735, 97, 855, 1372, 2365, 567, 433, 90, 2197, 351, 772, 1916, 2200, 691, 244, 225, 1324, 1295, 219, 1614, 572, 661, 1007, 1616, 552, 442, 1175, 893, 1638, 575, 897, 553, 1135, 148, 1617, 401, 1684, 573, 537, 83, 1364, 232, 1317, 2187, 170, 511, 120, 645, 547, 2037, 877, 1027, 443, 2208, 676, 588, 578, 1401, 557, 699, 213, 785, 1557, 1693, 693, 2042, 218, 628, 2098, 687, 1814, 513, 231, 1619, 1760, 623, 636, 217, 490, 2035].

Systems [243, 554, 1043, 948, 902, 230, 1718, 550, 2031, 1555, 174, 1621, 1622, 1623, 2191, 2043, 1674, 2238, 2028, 1644, 1746, 1020, 2082, 1648, 1636, 1763, 1627, 1793, 1847, 1906, 2044, 1779, 1861, 1629, 1766, 1791, 1851, 237, 915, 548, 425, 245, 1635, 1767, 227, 2070, 571, 2081, 226, 1509, 471, 1389, 779, 1931, 900, 165, 1393, 2039, 733, 1072, 10, 1120, 1246, 1125, 1960, 1260, 1264, 1257, 798, 1944, 910, 1081, 1069, 1083, 329, 1954, 1265, 1946, 1237, 801, 2385, 1937, 1940, 818, 797, 804, 1963, 810, 26].

Systolic [1787]. **SZK** [2147, 2148]. **SZK-Verifier** [2148, 2147].

T [1203]. **T-Smart** [1203]. **T3D** [508]. **T3E** [2095]. **Tableau** [1165]. **Tableaux** [1356, 2062]. **Tabular** [2143]. **Tactics** [1162]. **Tagged** [752, 751]. **Tagging** [2333]. **Tags** [752]. **Taking** [438]. **Tally** [1727]. **Tangibility** [2070]. **TANGRAM** [1116]. **TANGRAM-II** [1116]. **Tank** [1906].

TAPSOFT [468]. **Target** [941, 2345, 1004, 317, 271]. **Task** [1350, 1203, 1760, 651, 1762, 1786, 1197]. **Task-Dependent** [1350]. **Task-Safe** [1203]. **Tasks** [2253, 619, 1394, 1967]. **Taxonomy** [885, 84, 1393]. **Teaching** [1135, 1189, 2124, 2123]. **Team** [1638, 279, 574]. **Teams** [901, 392]. **Teamwork** [1638]. **Technical** [1350, 2376]. **Technique** [2308, 649, 26, 127, 1743, 1602, 2023, 326, 321]. **Techniques** [994, 487, 1756, 110, 2186, 1559, 510, 981, 1493, 676, 1433, 1866, 2377, 1859, 2373, 1565, 2205, 1867, 1900, 1204, 72, 1255, 1124, 1079, 2382, 293]. **Technologies** [502, 588, 563, 1779]. **Technology** [1751, 1631, 1635, 927, 2372, 1553]. **Telecommunication** [1136, 910]. **Telecommunications** [923, 1441, 913, 625]. **Telelearning** [1066]. **Telemedicine** [1067]. **telepresence** [332]. **Telescript** [590]. **Template** [670]. **Templates** [1684, 1593, 606]. **Temporal** [1879, 740, 775, 610, 190, 1056, 474, 2205, 2138, 2064, 1561, 1075, 1208, 1070]. **Teraflop** [675]. **Term** [482, 2361, 2077, 1140, 1377, 1718, 1717, 2076, 2117, 2363, 2228, 1851, 380, 374, 818, 804]. **Terminals** [1064]. **Terminating** [2227]. **Termination** [480, 2365, 365, 2356, 479, 478, 1197, 803, 9, 801]. **Terminology** [2376]. **Terms** [608, 1311, 616]. **Terrain** [604, 2320]. **Terrestrial** [1052]. **Test** [538, 437, 1987, 1709, 201, 86]. **Testbed** [1362]. **Testing** [262, 81, 497, 1155, 788, 972, 2300, 1204, 1192]. **Tests** [1044, 1120, 4, 188]. **Text** [1367, 424, 1351, 347, 2377, 240, 1889, 1850]. **Text-dependent** [347]. **Text-independent** [347]. **Text-Learners** [1850]. **Texts** [1443, 2139, 1485]. **Textual** [234, 1492]. **Texture** [2253, 999, 596, 2304, 2312, 598]. **Textures** [2255, 2254]. **th** [2217]. **The-Based** [1450]. **Their**

[475, 1558, 1172, 1596, 846, 1582, 135, 1823, 1977, 1223, 1832, 1681]. **Them** [122, 1148]. **Theorem** [1662, 1664, 1142, 2054, 1143, 1668, 1161, 899, 1150, 1149, 2075, 794]. **Theorema** [1464]. **Theorems** [1285]. **Theoretic** [1920, 36, 474, 209, 1303, 98, 8]. **Theoretical** [467, 2199, 416, 1308, 2341, 967, 2067, 595]. **Theoretically** [833]. **Theories** [1103, 1921, 871, 1468]. **Theory** [1506, 36, 2054, 92, 2046, 1273, 1570, 1707, 1667, 859, 1152, 1364, 35, 1162, 2090, 1376, 1419, 1378, 868, 1672, 2058, 1620, 1023, 2059, 2075, 1675, 2132, 2089, 1678, 1276, 88, 1907, 2269, 381, 1078, 1240, 1980, 285, 404, 16, 809, 810]. **Theory-Based** [88]. **Therapies** [409]. **Therapy** [445]. **Thermal** [683, 1010, 114]. **Thermocapillary** [124]. **theta** [611]. **theta-subsumption** [611]. **thetaOp2** [1813]. **Thin** [1226]. **Thing** [101]. **Thinning** [2301, 2283]. **thoughts** [1250]. **Threads** [173, 950, 1935]. **Three** [318, 177, 1948, 1798, 63, 748, 2248, 1988, 848, 1626, 1719, 306, 288, 1224]. **Three-Dimensional** [2248, 1988, 1224]. **Three-Valued** [1719]. **Threshold** [262, 2211, 47, 1694]. **Ticketing** [916]. **Tight** [977, 1740]. **Tile** [2189]. **Tile-Based** [2189]. **Tileworld** [392]. **Tiling** [942]. **Tilings** [1289]. **Time** [1427, 1050, 1132, 749, 2198, 772, 1437, 1329, 894, 1400, 225, 789, 1905, 773, 774, 220, 116, 858, 1044, 646, 539, 1424, 2239, 776, 1741, 259, 2091, 1101, 1027, 778, 2131, 359, 100, 785, 1130, 1830, 2040, 1106, 1326, 1577, 1832, 275, 764, 2323, 2216, 2218, 1838, 2289, 2265, 1654, 1580, 2232, 1878, 786, 2277, 1931, 2021, 2292, 1120, 1972, 1264, 187, 309, 1070, 1989, 1996, 2001]. **Time-Dependent** [220]. **Time-Series** [1427, 2021]. **Time-Synchronised** [1044]. **Time-Varying** [1905]. **Time-Warping** [1878]. **Timed** [222, 229, 475, 777, 212, 788, 228, 217, 1629, 191, 779, 1072, 1247]. **Times** [936, 1127]. **timing** [1245]. **TINA** [917, 914, 907]. **Tissue** [739, 431, 748]. **TM** [288]. **TMN** [918, 916, 922, 926, 917]. **TMN-like** [917]. **TOAS** [1435]. **Toeplitz** [118]. **Tolerant** [1202, 1709, 250, 1989]. **Tolerate** [979]. **Tomographic** [740, 763]. **Tomography** [114, 332]. **Tool** [166, 624, 679, 2258, 1789, 529, 366, 1264, 983, 533, 986, 389, 1367, 499, 414, 660, 1036, 880, 1860, 1766, 1430, 1530, 1116, 1119, 1267, 1262, 1121, 1263]. **Toolbox** [1857, 1613]. **Toolkit** [59, 965]. **Tools** [1051, 102, 650, 883, 758, 409, 1365, 218, 1180, 1801, 1194, 1238, 1124]. **Toolset** [1195, 1203, 1365, 531, 571]. **Top** [1537, 2006, 1150, 1149]. **Top-down** [1150, 1149]. **Top-Evolutionary** [2006]. **topographic** [1206]. **Topological** [854, 264]. **Topologies** [1625]. **Topology** [2201, 1447, 990, 694, 1722, 2004]. **TopVision** [1061]. **Torque** [718]. **Torus** [1730]. **Total** [1344, 6, 128, 325, 322, 801]. **Totality** [1913]. **Totally** [1628]. **Tour** [1707, 1281]. **Toxicity** [968]. **Trace** [1309]. **traced** [406]. **Tracing** [2121]. **Tracked** [1369]. **Trackies** [279]. **Tracking** [464, 2239, 606, 2291, 601, 318, 1208, 283, 319, 308]. **Tractable** [22]. **Trade** [1298, 1841]. **Trade-Off** [1841]. **Trade-offs** [1298]. **trading** [1553]. **Traditional** [758, 666]. **Traffic** [1059, 1491, 1011, 1630, 1984]. **Trails** [2121]. **Training** [736, 716, 962, 307]. **TRAM** [818]. **Trans** [1607]. **Trans-dichotomous** [1607]. **Transaction** [1185, 1557, 1767]. **Transactions** [1558, 1174, 42, 17]. **Transcopyright** [1632]. **transcranial** [315]. **Transcription** [1801]. **Transducer** [955]. **Transducers** [473, 1933, 1836]. **TRANSFAC** [1801]. **Transfer** [109, 51, 1655, 138, 137]. **Transfers** [841]. **Transform** [333, 118, 2254, 2304, 1528, 2292, 1775, 2305]. **Transform-Based** [2254]. **Transformation** [780, 522, 366, 2208, 1433, 2205, 2109, 2142, 2245, 283, 1455]. **Transformation-Based**

[522]. **Transformations** [937, 1138, 2111, 652]. **Transformers** [1019]. **Transforming** [2110]. **Transforms** [2311]. **transient** [1120]. **Transition** [2197, 1916, 2200, 83, 1317, 1904, 2210, 226, 1083]. **Transitions** [212]. **Transitive** [1448, 50, 1254]. **transitive-closure** [1254]. **Translating** [183, 2067]. **Translation** [1663, 55, 890, 199, 2130, 19, 394]. **Translations** [1148, 2130, 2245]. **Transmission** [1824, 1053]. **Transnational** [1042]. **Transparency** [1184]. **Transparent** [174]. **Transputer** [646]. **Transputers** [514]. **transverse** [321]. **Trapdoor** [1522]. **Trapezoid** [1708]. **Traveling** [465]. **Travois** [1527]. **Treating** [413]. **Treatment** [112, 209, 174, 717, 327]. **Tree** [1399, 2047, 57, 150, 990, 260, 1869, 2341, 1733, 269, 1836, 1803, 1418, 1686, 1645, 1980]. **treeNets** [1110]. **Trees** [52, 1306, 473, 851, 1290, 1714, 1696, 1429, 144, 416, 149, 1684, 2336, 1541, 2206, 1343, 588, 1320, 1698, 261, 1106, 1726, 2248, 1933, 1728, 1872, 2214, 269, 1713, 1712, 1652, 1602, 1722, 1723, 139, 159, 1417, 1973, 1975, 1983, 1706, 1992, 1993, 158]. **Treewidth** [2186, 1307]. **TREMBL** [1795]. **Trends** [468, 1066]. **Triadic** [1354]. **Trial** [1061, 1068]. **Trials** [1063]. **Triangular** [132]. **Triangulations** [1598, 1732, 1690, 2001]. **Tridiagonal** [636]. **Triple** [1338]. **Triple-Free** [1338]. **trivial** [2201]. **Trouble** [916]. **TrPTL** [2224]. **TRRD** [1801]. **True** [789, 806]. **Truncating** [610]. **Trust** [50, 378, 1542]. **TSP** [1578, 1582]. **TTP** [1551]. **TTP-based** [1551]. **Tumorous** [431]. **Tumors** [31]. **Tuning** [1784]. **Tunnel** [714]. **Tuple** [1742, 1964, 1953]. **Tuple-Based** [1742]. **tuple-space** [1964]. **Turing** [251, 2192]. **Tutorial** [214, 1440, 1790]. **Twenty** [595]. **Twin** [242]. **Twin-Base** [242]. **Two** [988, 53, 624, 109, 1443, 461, 819, 769, 2055, 509, 2187, 547, 63, 1275, 726, 588, 196, 558, 636, 1724, 1836, 807, 2221, 2063, 1732, 2069, 134, 21, 1551, 299, 1122, 1983, 1988, 1991]. **two-connectivity** [1991]. **Two-Dimensional** [1443, 1836, 21, 299, 1983, 1988]. **Two-Letter** [1724]. **Two-Level** [2221]. **Two-Mass** [726]. **Two-Phase** [109]. **Two-Step** [134]. **Two-Variable** [196]. **Two-Way** [1275, 636, 1122]. **Two-Wheeler** [624]. **TWOPRIME** [1517]. **Type** [1920, 132, 855, 1372, 2365, 1703, 273, 1667, 401, 1540, 1294, 990, 1033, 589, 75, 1378, 1133, 20, 1912, 2067, 2171, 488, 133, 274, 1682, 712, 398, 404]. **Type-Based** [589, 488, 1540]. **Type-consistency** [20]. **Type-Theoretic** [1920]. **Typed** [395, 2141, 493, 408]. **Typelab** [498]. **Types** [1910, 1018, 2364, 2083, 483, 783, 1926, 1932, 615, 1022, 1032, 2044, 1035, 1929, 396, 794]. **Typing** [1934, 1159, 1080]. **Ugly** [2168]. **Ultrafilter** [2048]. **Ultrasonic** [1482]. **Ultrasound** [606, 318, 298, 314]. **UMTS** [925]. **unary** [15]. **Uncertain** [1088, 416, 1111, 1863]. **Uncertainties** [120]. **Uncertainty** [770, 1741, 2257, 1907]. **Unconditional** [2165]. **Unconditionally** [2147, 2148]. **Undecidability** [478, 1377, 196, 809, 2069, 1383, 796]. **Undecidable** [1845, 810]. **Undeniable** [2154]. **Underlying** [958]. **Understanding** [2049]. **Unfolding** [367]. **Unification** [1357, 1296, 2358, 1717, 2069, 815, 812]. **Unified** [1031, 1758]. **Uniform** [873, 1115, 1827, 1105, 2369, 942]. **Uniformly** [548]. **Unifying** [530]. **Union** [184, 154]. **Union-Find** [184, 154]. **Unions** [1186]. **Unique** [1344, 947, 1851]. **Uniqueness** [2263]. **Unit** [1597, 728, 1862, 1192, 1297]. **Unit-Testing** [1192]. **UNITY** [1955, 1956]. **Universal** [1645, 2107, 1358, 715, 859, 1233, 1850, 1073]. **Universality** [205, 1840]. **University** [279]. **Unknown** [1600, 2028]. **Unpredicted**

[1101]. **Unsteady** [1778]. **unstructured** [18]. **Unsupervised** [594, 990, 596, 1012, 2304, 2236, 2266]. **Unsymmetric** [1754]. **untangling** [1935]. **Unwrapping** [295]. **UOWHFs** [2178]. **Update** [519, 521, 1114, 8]. **Update-Programs** [519]. **Updates** [255, 1467]. **Updating** [260, 1925, 1889]. **Upper** [1313, 1607, 208, 65, 1701, 2071]. **Ups** [1102]. **Upward** [149]. **Usage** [2093, 1242]. **Use** [762, 735, 506, 118, 2092, 962, 24, 1901, 1680, 9, 1551, 1632]. **Used** [629, 299]. **User** [1060, 884, 650, 410, 1364, 928, 951, 1037, 1855, 927, 13]. **User-Adapted** [410]. **User-Defined** [951]. **User-Driven** [1364]. **User-Level** [650]. **Using** [1041, 1526, 720, 2303, 683, 485, 994, 1427, 993, 1686, 1097, 1664, 1538, 27, 594, 333, 1398, 1502, 238, 1857, 668, 713, 772, 1437, 2200, 1491, 691, 1757, 1928, 1905, 1492, 740, 29, 2309, 510, 220, 1065, 465, 2311, 908, 1137, 2007, 2308, 1363, 31, 2356, 1496, 339, 2333, 343, 1494, 2336, 638, 1016, 1157, 593, 1008, 352, 1309, 1231, 1741, 357, 2091, 458, 1497, 414, 547, 755, 1670, 748, 1355, 538, 1129, 1161, 514, 1173, 698, 743, 604, 1897, 34, 1361, 479, 852, 605, 460, 240, 2273, 349, 496, 1107, 1421, 765, 340, 2314, 2101]. **Using** [750, 1410, 1884, 1108, 451, 243, 625, 742, 38, 1239, 1505, 751, 1388, 174, 2140, 1674, 2162, 2024, 2010, 2271, 1037, 2160, 2304, 2313, 1038, 1626, 2317, 2110, 2236, 2288, 1793, 2284, 1964, 2349, 49, 2016, 2121, 2351, 2240, 2171, 2025, 2251, 717, 1878, 1488, 2352, 338, 42, 2277, 759, 932, 2019, 824, 2292, 598, 1439, 412, 1226, 1213, 1219, 282, 294, 314, 1260, 317, 921, 309, 289, 1252, 1946, 1218, 284, 792, 1941, 811]. **Utilization** [108, 2100]. **utilizing** [288].

vacuity [1253]. **Vague** [1415]. **Valences** [2207]. **Validate** [1173]. **Validating** [412]. **Validation** [1172, 1109]. **Validity** [1927, 1882]. **Value** [113, 2113, 1918, 134, 1303]. **Value-Passing** [1918]. **Valued** [2302, 1370, 451, 1719, 1700]. **Values** [860, 1900, 1877]. **Vanstone** [2158]. **Vapnik** [372]. **Variable** [934, 232, 1375, 196, 1694]. **Variables** [2370, 1331, 2010, 2069, 1986]. **Variant** [1228, 2368]. **Variation** [738]. **Varying** [1905, 1499]. **Vasculature** [768]. **VC** [383]. **VC-dimension** [383]. **VDM** [1662]. **VDM-SL** [1662]. **Vector** [505, 1769, 515]. **Vectors** [618, 460, 1240]. **Vegas** [187]. **Vehicle** [1044, 1626, 2319]. **vein** [299]. **Velocity** [764, 1621]. **Ventilation** [991, 714]. **Verbose** [2226]. **Verification** [487, 229, 524, 772, 346, 1666, 363, 189, 537, 221, 535, 362, 784, 359, 360, 354, 1673, 2043, 1746, 1966, 1677, 226, 779, 872, 1244, 1238, 1247, 1264, 1237, 322, 1239, 1259]. **Verified** [120]. **Verifier** [2147, 1248, 2148]. **Verify** [1670]. **Verifying** [222, 1665, 1671, 2070, 1255, 1083]. **VeriSoft** [1267]. **Versatile** [1428]. **Version** [873, 1158, 1070]. **Versus** [521, 553, 187, 892, 2280, 875, 1206, 933, 192, 1452, 2212, 2214, 293]. **vertebra** [290]. **vertebral** [319]. **Vertex** [211, 1706, 248]. **Vertex-Connectivity** [211]. **Vertex-Rankings** [1706]. **Vertical** [1590, 1079]. **vertices** [1981]. **Verus** [774, 1264]. **very** [1119]. **Vessel** [2247, 769]. **Vessels** [761]. **Via** [1812, 1019, 600, 1950, 2332, 857, 1638, 1346, 117, 339, 1949, 247, 1131, 1402, 1151, 879, 2358, 1685, 1815, 1639, 592]. **Viability** [1761]. **Video** [669, 723, 356, 905, 1055, 1655, 338, 1553, 332]. **Video-based** [338]. **Video-Data** [1655]. **View** [964, 2189, 711, 1935]. **Viewing** [966]. **Viewpoints** [1505]. **Views** [768, 2320, 1646, 2286, 5, 16]. **VINES** [1651]. **Virtual** [762, 302, 102, 1374, 1233, 1046, 2144, 1810, 1035, 299, 310]. **Visibility** [54, 769, 1572, 64]. **Visibility-Based** [1572]. **Vision** [2324, 2264, 2318, 2238, 2289, 279, 1000, 311].

Vision-Based [2318, 2238, 2289, 279].
VISLAN [317]. **Visual**
 [537, 1016, 1048, 995, 778, 1702, 1886, 2144,
 2167, 1763, 1873, 1793, 1766, 355].
Visualization [466, 60, 1809, 72].
Visualizing [67, 667]. **Vitro** [431]. **VLIW**
 [1533]. **VLSI** [1016, 155]. **voice** [1122].
Volume [56, 754, 628, 309, 293].
volume-based [293]. **volumetric** [309].
Voronoi [1587]. **Voting** [612, 1302, 2280].
VQ [347]. **VRML** [929, 1646].
VRML-object [1646]. **vs**
 [921, 895, 1093, 2374, 1784, 1594].

W [440]. **W.I.S.E.** [1857]. **WAAC** [2315].
Wadge [1287]. **Wadge-Wegner** [1287].
Wait [477]. **Wait-Free** [477]. **Walk** [2267].
Want [1494]. **Warehouse** [1567, 5].
Warping [1878]. **Was** [771]. **Waste** [717].
Watchman [1830]. **Water** [2015, 717].
Watermarking [1048, 1055]. **Watersheds**
 [2284]. **Wave** [626, 1774]. **Wavelength**
 [1319]. **Wavelet** [2288, 1720].
Wavelet-Based [1720]. **Wavelets**
 [1905, 2274]. **Way** [838, 2172, 1275, 1395,
 266, 636, 1122, 187, 1837]. **WDM** [1320].
Weak [1243, 481, 447, 1444, 1382, 227, 408,
 1454, 407]. **weak-head** [407]. **Weaker**
 [1310]. **Weakness** [834]. **weaving** [1935].
WEB [1124, 14, 641, 679, 1935, 161, 1181,
 879, 2059, 1651, 2144, 1639]. **Web-Based**
 [641, 679]. **Web-like** [2059]. **WebRC** [880].
Wegner [1287]. **Weight** [211, 979, 1284].
Weighted [1977, 1723, 1968, 339].
weighting [296]. **Weights**
 [978, 1499, 451, 1747, 806]. **Well**
 [722, 522, 523, 278, 2250, 791, 6].
Well-Founded [522, 523, 6].
Well-Posedness [2250]. **Wheeler** [624].
Where [480, 2123]. **Which**
 [2353, 1825, 378]. **Wide**
 [161, 879, 2144, 1652, 1660, 179]. **Width**
 [1604, 208, 1925, 267]. **Width-Subtyping**
 [1925]. **widths** [384]. **WIND** [1567].

window [1239]. **Windows** [1896]. **wise**
 [846]. **WISH** [1639]. **within** [2164, 2046].
Without
 [851, 752, 2298, 2288, 2198, 1607, 1025].
Word [473, 1141, 1446, 710, 2377, 1832,
 1292, 1845, 795, 800]. **Word-Concept** [710].
Word-into-Trees [473]. **Words**
 [2198, 1444, 558, 2217]. **Work** [1053, 12].
Worker [649]. **Workflow** [1414, 1185, 1184].
Workflows [1178]. **Workload**
 [2093, 2094, 1125]. **Workloads** [2099].
Workstation [175, 176]. **Workstations**
 [643, 677, 1768, 682, 941, 1761]. **World**
 [418, 1660, 891, 2081, 161, 879, 2144].
World-Wide-Web [2144]. **Worlds** [2005].
Worldwide [1636]. **Worst** [1298].
Worst-Case [1298]. **Would** [2022]. **Wrist**
 [2258]. **WSIS** [1402]. **WWW**
 [55, 908, 1639, 1650].

x [2003, 291, 1802, 764, 290]. **X-Ray**
 [764, 291, 290]. **X.500** [878]. **XXM** [1524].

YACS [1802]. **Yau** [507]. **years** [1250].
Yeast [702, 1809]. **YOHO** [360].

Z [439, 449, 448, 444, 447, 443, 438, 437, 436,
 445]. **ZOnq** [1274]. **Z4** [1278]. **Zeno** [2198].
Zero [838, 769, 1334, 2146]. **Zero-filled** [769].
Zero-Knowledge [838]. **Zeroes** [708]. **Zm**
 [2220]. **Zqn** [1274]. **Zqn-Linear** [1274].

References

Abiteboul:1997:QSS

- [1] S. Abiteboul. Querying semi-structured data. *Lecture Notes in Computer Science*, 1186:1-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chekuri:1997:CQC

- [2] C. Chekuri and A. Rajaraman. Con-

junctive query containment revisited. *Lecture Notes in Computer Science*, 1186:56–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grahne:1997:SCQ

- [3] G. Grahne, N. Spyrtos, and D. Sramate. Semantics and containment of queries with internal and external conjunctions. *Lecture Notes in Computer Science*, 1186:71–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huyn:1997:ECL

- [4] N. Huyn. Efficient complete local tests for conjunctive query constraints with negation. *Lecture Notes in Computer Science*, 1186:83–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:SVM

- [5] H. Gupta. Selection of views to materialize in a data warehouse. *Lecture Notes in Computer Science*, 1186:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flum:1997:TPW

- [6] J. Flum, M. Kubierschky, and B. Ludaescher. Total and partial well-founded datalog coincide. *Lecture Notes in Computer Science*, 1186:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dong:1997:LPQ

- [7] G. Dong, L. Libkin, and L. Wong. Local properties of query languages. *Lecture Notes in Computer Science*, 1186:140–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

ture Notes in Computer Science, 1186:140–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bidoit:1997:MTA

- [8] N. Bidoit and S. Maabout. A model theoretic approach to update rule programs. *Lecture Notes in Computer Science*, 1186:173–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bailey:1997:AIA

- [9] J. Bailey, L. Crnogorac, K. Ramamohanarao, and H. Soendergaard. Abstract interpretation of active rules and its use in termination analysis. *Lecture Notes in Computer Science*, 1186:188–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bailey:1997:SIA

- [10] J. Bailey, G. Dong, and K. Ramamohanarao. Structural issues in active rule systems. *Lecture Notes in Computer Science*, 1186:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gunopulos:1997:DAM

- [11] D. Gunopulos, H. Mannila, and S. Saluja. Discovering all most specific sentences by randomized algorithms. *Lecture Notes in Computer Science*, 1186:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wodtke:1997:FFD

- [12] D. Wodtke and G. Weikum. A formal foundation for distributed work flow

execution based on state charts. *Lecture Notes in Computer Science*, 1186:230–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fagin:1997:IUP

- [13] R. Fagin and E. L. Wimmers. Incorporating user preferences in multimedia queries. *Lecture Notes in Computer Science*, 1186:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abiteboul:1997:QCW

- [14] S. Abiteboul and V. Vianu. Queries and computation on the Web. *Lecture Notes in Computer Science*, 1186:262–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benedikt:1997:EPU

- [15] M. Benedikt and H. J. Keisler. Expressive power of unary counters. *Lecture Notes in Computer Science*, 1186:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kawaguchi:1997:CCT

- [16] A. Kawaguchi, D. Lieuwen, I. Mumick, and D. Quass. Concurrency control theory for deferred materialized views. *Lecture Notes in Computer Science*, 1186:306–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halici:1997:SNT

- [17] U. Halici, B. Arpinar, and A. Dogac. Serializability of nested transactions in multidatabases. *Lecture Notes in*

Computer Science, 1186:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buneman:1997:ASU

- [18] P. Buneman, S. Davidson, M. Fernandez, and D. Suciu. Adding structure to unstructured data. *Lecture Notes in Computer Science*, 1186:336–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abiteboul:1997:CTH

- [19] S. Abiteboul, S. Cluet, and T. Milo. Correspondence and translation for heterogeneous data. *Lecture Notes in Computer Science*, 1186:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ishihara:1997:TCP

- [20] Y. Ishihara, H. Seki, and M. Ito. Type-consistency problems for queries in object-oriented databases. *Lecture Notes in Computer Science*, 1186:364–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdel-Ghaffar:1997:OAT

- [21] K. Abdel-Ghaffar and A. El Abbadi. Optimal allocation of two-dimensional data. *Lecture Notes in Computer Science*, 1186:409–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Colby:1997:TIM

- [22] L. Colby and L. Libkin. Tractable iteration mechanisms for bag languages. *Lecture Notes in Computer Science*, 1186:461–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yager:1997:CPF

- [23] R. R. Yager. Constructing prioritized fuzzy models. *Lecture Notes in Computer Science*, 1188:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hurley:1997:UFR

- [24] N. Hurley. The use of fuzzy representation in a CBR system for mesh design. *Lecture Notes in Computer Science*, 1188:29–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonner:1997:FFL

- [25] M. Bonner, S. Mayer, A. Raggl, and W. Slany. FLIP++: A fuzzy logic inference processor library. *Lecture Notes in Computer Science*, 1188:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herrmann:1997:FLI

- [26] C. S. Herrmann. Fuzzy logic as interfacing technique in hybrid AI-Systems. *Lecture Notes in Computer Science*, 1188:69–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldwin:1997:EKD

- [27] J. F. Baldwin and T. P. Martin. Extracting knowledge from data using an intelligent fuzzy data browser. *Lecture Notes in Computer Science*, 1188:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abe:1997:FSL

- [28] S. Abe. Fuzzy systems with learning capability. *Lecture Notes in Computer Science*, 1188:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cannavacciuolo:1997:SOM

- [29] A. Cannavacciuolo, G. Capaldo, A. Ventre, and A. Volpe. Searching for the organizational memory using fuzzy modeling. *Lecture Notes in Computer Science*, 1188:144–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bloch:1997:FGD

- [30] I. Bloch. Fuzzy geodesic distance in images. *Lecture Notes in Computer Science*, 1188:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clark:1997:UFI

- [31] M. C. Clark, L. O. Hall, D. B. Goldgof, and M. S. Silbiger. Using fuzzy information in knowledge guided segmentation of brain tumors. *Lecture Notes in Computer Science*, 1188:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ho:1997:FFE

- [32] K. H. L. Ho and N. Ohnishi. FEDGE — fuzzy edge detection by fuzzy categorization and classification of edges. *Lecture Notes in Computer Science*, 1188:182–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guesgen:1997:THS

- [33] H. W. Guesgen. Towards hybrid spatial reasoning. *Lecture Notes in Computer Science*, 1188:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasos:1997:MRL

- [34] J. Gasos and A. Martin. Mobile robot localization using fuzzy maps. *Lecture Notes in Computer Science*, 1188:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubois:1997:TPD

- [35] D. Dubois and H. Prade. Towards possibilistic decision theory. *Lecture Notes in Computer Science*, 1188:240–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bilgic:1997:MTF

- [36] T. Bilgic and I. B. Tuerksen. Measurement-theoretic frameworks for fuzzy set theory. *Lecture Notes in Computer Science*, 1188:252–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouchon-Meunier:1997:RAA

- [37] B. Bouchon-Meunier and L. Valverde. A resemblance approach to analogical reasoning functions. *Lecture Notes in Computer Science*, 1188:266–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joye:1997:PFR

- [38] Marc Joye and Jean-Jacques Quisquater. Protocol failures for RSA-like func-

tions using Lucas sequences and elliptic curves. *Lecture Notes in Computer Science*, 1189:93–100, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crispo:1997:CSE

- [39] B. Crispo and M. Lomas. A certification scheme for electronic commerce. *Lecture Notes in Computer Science*, 1189:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujisaki:1997:PEC

- [40] E. Fujisaki and T. Okamoto. Practical escrow cash system. *Lecture Notes in Computer Science*, 1189:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anderson:1997:NPE

- [41] R. Anderson, C. Manifavas, and C. Sutherland. NetCard — A practical electronic-cash system. *Lecture Notes in Computer Science*, 1189:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wheeler:1997:TUB

- [42] D. Wheeler. Transactions using bets. *Lecture Notes in Computer Science*, 1189:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cramer:1997:EPS

- [43] R. Cramer, I. Damgaard, and T. P. Pedersen. Efficient and provable secure amplifications. *Lecture Notes in Computer Science*, 1189:101–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cusick:1997:CRN

- [44] T. W. Cusick. A comparison of RSA and the Naccache-Stern public-key cryptosystem. *Lecture Notes in Computer Science*, 1189:111–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaliski:1997:IPS

- [45] B. S. Kaliski. IEEE P1363: A standard for RSA, Diffie–Hellman and elliptic-curve cryptography [abstract]. *Lecture Notes in Computer Science*, 1189:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burmester:1997:ESC

- [46] M. Burmester and Y. G. Desmedt. Efficient and secure conference-key distribution. *Lecture Notes in Computer Science*, 1189:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lim:1997:DSA

- [47] Chae Hoon Lim and Pil Joong Lee. Directed signatures and application to threshold cryptosystems. *Lecture Notes in Computer Science*, 1189:131–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:KEM

- [48] L. Chen, D. Gollmann, and C. J. Mitchell. Key escrow in mutually mistrusting domains. *Lecture Notes in Computer Science*, 1189:139–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schneier:1997:AES

- [49] B. Schneier and J. Kelsey. Automatic event-stream notarization using digital signature. *Lecture Notes in Computer Science*, 1189:155–169, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christianson:1997:WIT

- [50] B. Christianson and W. S. Harbison. Why isn't trust transitive? *Lecture Notes in Computer Science*, 1189:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chuang:1997:SRA

- [51] S.-C. Chuang and D. Greaves. Securing residential asynchronous transfer mode networks. *Lecture Notes in Computer Science*, 1189:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abellanas:1997:BET

- [52] M. Abellanas, J. Garcia, G. Hernandez, and M. Noy. Bipartite embeddings of trees in the plane. *Lecture Notes in Computer Science*, 1190:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alzohairi:1997:SPP

- [53] M. Alzohairi and I. Rival. Series-parallel planar ordered sets havepagenumber two. *Lecture Notes in Computer Science*, 1190:11–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bose:1997:RVG

- [54] P. Bose, A. Dean, J. Hutchinson, and T. Shermer. On rectangle visibility graphs. *Lecture Notes in Computer Science*, 1190:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bridgeman:1997:GDT

- [55] S. Bridgeman, A. Garg, and R. Tamassia. A graph drawing and translation service on the WWW. *Lecture Notes in Computer Science*, 1190:45–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calamoneri:1997:DCG

- [56] T. Calamoneri and A. Sterbini. Drawing 2-, 3- and 4-colorable graphs in $O(n^2)$ volume. *Lecture Notes in Computer Science*, 1190:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chan:1997:OAA

- [57] T. Chan, M. T. Goodrich, S. R. Kosaraju, and R. Tamassia. Optimizing area and aspect ratio in straight-line orthogonal tree drawings. *Lecture Notes in Computer Science*, 1190:63–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiBattista:1997:DDA

- [58] G. Di Battista, A. Garg, G. Liotta, and A. Parise. Drawing directed acyclic graphs: An experimental study. *Lecture Notes in Computer Science*, 1190:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dogrusoez:1997:CLG

- [59] U. Dogrusoez, B. Madden, and P. Madden. Circular layout in the graph layout toolkit. *Lecture Notes in Computer Science*, 1190:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eades:1997:MVC

- [60] P. Eades and Q. W. Feng. Multilevel visualization of clustered graphs. *Lecture Notes in Computer Science*, 1190:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eades:1997:SLD

- [61] P. Eades, Q. W. Feng, and X. Lin. Straight-line drawing algorithms for hierarchical graphs and clustered graphs. *Lecture Notes in Computer Science*, 1190:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eades:1997:GDC

- [62] P. Eades, J. Marks, and S. North. Graph-drawing contest report. *Lecture Notes in Computer Science*, 1190:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eades:1997:TAT

- [63] P. Eades, A. Symvonis, and S. Whitesides. Two algorithms for three dimensional orthogonal graph drawing. *Lecture Notes in Computer Science*, 1190:139–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foessmeier:1997:VDP

- [64] U. Foessmeier, G. Kant, and M. Kaufmann. 2-Visibility drawings of planar graphs. *Lecture Notes in Computer Science*, 1190:155–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frick:1997:UBN

- [65] A. Frick. Upper bounds on the number of hidden nodes in Sugiyama’s algorithm. *Lecture Notes in Computer Science*, 1190:169–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frick:1997:IDA

- [66] A. Frick, C. Keskin, and V. Vogelmann. Integration of declarative approaches. *Lecture Notes in Computer Science*, 1190:184–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garg:1997:GSV

- [67] A. Garg and R. Tamassia. GIOTTO3D: A system for visualizing hierarchical structures in 3D. *Lecture Notes in Computer Science*, 1190:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garg:1997:NMC

- [68] A. Garg and R. Tamassia. A new minimum cost flow algorithm with applications to graph drawing. *Lecture Notes in Computer Science*, 1190:201–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

He:1997:CGL

- [69] W. He and K. Marriott. Constrained graph layout. *Lecture Notes in Computer Science*, 1190:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Himsolt:1997:GS

- [70] M. Himsolt. The graphlet system. *Lecture Notes in Computer Science*, 1190:233–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kakoulis:1997:ELP

- [71] K. G. Kakoulis and I. G. Tollis. On the edge label placement problem. *Lecture Notes in Computer Science*, 1190:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wittenburg:1997:QVP

- [72] K. Wittenburg and L. Weitzman. Qualitative visualization of processes: Attributed graph layout and focusing techniques. *Lecture Notes in Computer Science*, 1190:401–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Comini:1997:PPL

- [73] M. Comini, G. Levi, M. C. Meo, and G. Vitiello. Proving properties of logic programs by abstract diagnosis. *Lecture Notes in Computer Science*, 1192:22–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fredlund:1997:FPC

- [74] L.-A. Fredlund, J. Koistinen, and F. Orava. Formalising and prototyping a concurrent object-based language. *Lecture Notes in Computer Science*, 1192:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fradet:1997:TCM

- [75] P. Fradet and D. Le Metayer. Type checking for a multiset rewriting language. *Lecture Notes in Computer Science*, 1192:126–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amtoft:1997:PSE

- [76] T. Amtoft, F. Nielson, H. R. Nielson, and J. Ammann. Polymorphic subtyping for effect analysis: The dynamic semantics. *Lecture Notes in Computer Science*, 1192:172–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cridlig:1997:ISA

- [77] R. Cridlig. Implementing a static analyzer of concurrent programs: Problems and perspectives. *Lecture Notes in Computer Science*, 1192:244–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faxen:1997:PPF

- [78] K.-F. Faxen. Polyvariance, polymorphism, and flow analysis. *Lecture Notes in Computer Science*, 1192:260–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilhelm:1997:PIF

- [79] R. Wilhelm, M. Alt, F. Martin, and M. Raber. Parallel implementation of functional languages. *Lecture Notes in Computer Science*, 1192:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Degano:1997:MPL

- [80] P. Degano, J.-V. Loddo, and C. Priami. Mobile processes with local clocks. *Lecture Notes in Computer Science*, 1192:296–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeNicola:1997:TSA

- [81] R. De Nicola and R. Pugliese. Testing semantics of asynchronous distributed programs. *Lecture Notes in Computer Science*, 1192:320–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Degano:1997:AFP

- [82] P. Degano, C. Priami, L. Leth, and B. Thomsen. Analysis of FACILE programs. *Lecture Notes in Computer Science*, 1192:345–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeFrancesco:1997:NSS

- [83] N. De Francesco, A. Santone, and G. Vaglini. A non-standard semantics for generating reduced transition systems. *Lecture Notes in Computer Science*, 1192:370–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franklin:1997:IAJ

- [84] S. Franklin and A. Graesser. Is it an agent, or just a program?: A taxonomy for autonomous agents. *Lecture Notes in Computer Science*, 1193:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castelfranchi:1997:A

- [85] C. Castelfranchi. To be or not to be an agent. *Lecture Notes in Computer Science*, 1193:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wooldridge:1997:ART

- [86] M. Wooldridge. Agents as a Rorschach test: A response to Franklin and Graesser. *Lecture Notes in Computer Science*, 1193:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisher:1997:IAW

- [87] M. Fisher. If Z is the answer, what could the question possibly be? *Lecture Notes in Computer Science*, 1193:65–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1997:PTT

- [88] G. Wagner. Practical theory and theory-based practice. *Lecture Notes in Computer Science*, 1193:67–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dragoni:1997:BRT

- [89] A. F. Dragoni and P. Giorgini. Belief revision through the belief-function

formalism in a multi-agent environment. *Lecture Notes in Computer Science*, 1193:103–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benerecetti:1997:FSB

- [90] M. Benerecetti, A. Cimatti, E. Giunchiglia, and F. Giunchiglia. Formal specification of beliefs in multi-agent systems. *Lecture Notes in Computer Science*, 1193:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brazier:1997:FCM

- [91] F. Brazier, C. Jonker, and J. Treur. Formalisation of a cooperation model based on joint intentions. *Lecture Notes in Computer Science*, 1193:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bretier:1997:RAK

- [92] P. Bretier and D. Sadek. A rational agent as the kernel of a cooperative spoken dialogue system: Implementing a logical theory of interaction. *Lecture Notes in Computer Science*, 1193:189–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dignum:1997:MSA

- [93] F. Dignum and B. Van Linder. Modelling social agents: Communication as action. *Lecture Notes in Computer Science*, 1193:205–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zeng:1997:HCA

- [94] D. Zeng and K. Sycara. How can an agent learn to negotiate? *Lecture Notes in Computer Science*, 1193:233–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Botelho:1997:EBA

- [95] L. M. Botelho and H. Coelho. Emotion-based attention shift in autonomous agents. *Lecture Notes in Computer Science*, 1193:277–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davis:1997:RMA

- [96] D. Davis. Reactive and motivational agents: Towards a collective minder. *Lecture Notes in Computer Science*, 1193:309–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbuceanu:1997:DCL

- [97] M. Barbuceanu and M. Fox. The design of a coordination language for multi-agent systems. *Lecture Notes in Computer Science*, 1193:341–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wooldridge:1997:KTS

- [98] M. Wooldridge. A knowledge-theoretic semantics for concurrent METATEM. *Lecture Notes in Computer Science*, 1193:357–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Badler:1997:TPA

- [99] N. I. Badler, B. D. Reich, and B. L. Webber. Towards personalities for animated agents with reactive and planning behaviors. *Lecture Notes in Computer Science*, 1195:43–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldberg:1997:ISR

- [100] A. Goldberg. IMPROV: A system for real-time animation of behavior-based interactive synthetic actors. *Lecture Notes in Computer Science*, 1195:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blumberg:1997:MLC

- [101] B. Blumberg and T. Galyean. Multi-level control for animated autonomous agents: Do the right thing... oh, not that. *Lecture Notes in Computer Science*, 1195:74–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blair:1997:TIV

- [102] D. Blair and T. Meyer. Tools for an interactive virtual cinema. *Lecture Notes in Computer Science*, 1195:83–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hayes-Roth:1997:AC

- [103] B. Hayes-Roth, R. Van Gent, and D. Huber. Acting in character. *Lecture Notes in Computer Science*, 1195:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akishin:1997:NCM

- [104] P. G. Akishin, I. V. Puzynin, and Y. S. Smirnov. The Newtonian continuation method for numerical study of 3D polaron problem. *Lecture Notes in Computer Science*, 1196:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amirkhanov:1997:CNI

- [105] I. V. Amirkhanov, I. V. Puzynin, T. P. Puzynina, and T. A. Strizh. CANM in numerical investigation of QCD problems. *Lecture Notes in Computer Science*, 1196:9–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amodio:1997:PIS

- [106] P. Amodio and F. Mazzia. Parallel iterative solvers for banded linear systems. *Lecture Notes in Computer Science*, 1196:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andreev:1997:FEA

- [107] A. B. Andreev and T. D. Todorov. Finite element approximations of some central curves. *Lecture Notes in Computer Science*, 1196:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ayrian:1997:UCM

- [108] E. A. Ayrian and A. V. Fedorov. Utilization of CANM for magnetic field calculation. *Lecture Notes in Computer Science*, 1196:34–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bazhlekov:1997:NAS

- [109] I. B. Bazhlekov, M. G. Koleva, and D. P. Vasileva. Numerical algorithm for simulation of coupled heat-mass transfer and chemical reaction in two-phase steady flow. *Lecture Notes in Computer Science*, 1196:38–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bisseling:1997:BTN

- [110] R. H. Bisseling. Basic techniques for numerical linear algebra on bulk synchronous parallel computers. *Lecture Notes in Computer Science*, 1196:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Braianov:1997:CCN

- [111] I. Braianov. Convergence of a Crank–Nicolson difference scheme for heat equations with interface in the heat flow and concentrated heat capacity. *Lecture Notes in Computer Science*, 1196:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandt:1997:TLA

- [112] J. Brandt, J. Christensen, I. Dimov, and K. Georgiev. Treatment of large air pollution models. *Lecture Notes in Computer Science*, 1196:66–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brugnano:1997:BVM

- [113] L. Brugnano. Boundary value methods for the numerical approximation of ordinary differential equations. *Lecture*

Notes in Computer Science, 1196:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chan:1997:FAP

- [114] R. H. Chan, C. Cheung, and H. Sun. Fast algorithms for problems on thermal tomography. *Lecture Notes in Computer Science*, 1196:90–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:CIP

- [115] T. C. Chen. Convergence in iterative polynomial root-finding. *Lecture Notes in Computer Science*, 1196:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clavero:1997:STM

- [116] C. Clavero, J. C. Jorge, F. Lisbona, and G. I. Shishkin. Splitting time methods and one dimensional special meshes for reaction-diffusion parabolic problems. *Lecture Notes in Computer Science*, 1196:106–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corliss:1997:HOS

- [117] G. F. Corliss, A. Griewank, P. Henneberger, and G. Kirlinger. High-order stiff ODE solvers via automatic differentiation and rational prediction. *Lecture Notes in Computer Science*, 1196:114–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiBenedetto:1997:UDS

- [118] F. Di Benedetto. The use of discrete sine transform in computations with Toeplitz matrices. *Lecture Notes in Computer Science*, 1196:126–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiMarco:1997:FSS

- [119] S. C. Di Marco and R. L. V. Gonzalez. A finite state stochastic minimax optimal control problem with infinite horizon. *Lecture Notes in Computer Science*, 1196:134–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dimitrova:1997:VSL

- [120] N. S. Dimitrova and C. P. Ullrich. Verified solving of linear systems with uncertainties in MAPLE. *Lecture Notes in Computer Science*, 1196:142–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dimov:1997:IMC

- [121] I. T. Dimov and A. N. Karaivanova. Iterative Monte Carlo algorithms for linear algebra problems. *Lecture Notes in Computer Science*, 1196:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dyakonov:1997:OPS

- [122] E. G. D'yakonov. Operator problems in strengthened Sobolev spaces and numerical methods for them. *Lecture Notes in Computer Science*, 1196:161–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elsner:1997:CCM

- [123] L. Elsner and T. Szulc. Convex combinations of matrices-nonsingularity and Schur stability. *Lecture Notes in Computer Science*, 1196:170–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Filippov:1997:NSB

- [124] S. S. Filippov, Y. V. Sanochkin, A. Y. Sogomonyan, and A. V. Tygliyan. Numerical solution of a BVP in hydrodynamics (thermocapillary convection). *Lecture Notes in Computer Science*, 1196:176–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoermann:1997:CEB

- [125] B. Hoermann and C. P. Ullrich. Componentwise error bounds and direct linear system solving. *Lecture Notes in Computer Science*, 1196:184–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ivanov:1997:MSS

- [126] I. G. Ivanov. A method for solving the spectral problem for complex matrices. *Lecture Notes in Computer Science*, 1196:192–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jovanovic:1997:ITC

- [127] B. S. Jovanovic. Interpolation technique and convergence rate estimates for finite difference method. *Lecture Notes in Computer Science*, 1196:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kamm:1997:LST

- [128] J. Kamm and J. G. Nagy. Least squares and total least squares methods in image restoration. *Lecture Notes in Computer Science*, 1196:212–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karageorghis:1997:CSD

- [129] A. Karageorghis. Conforming spectral domain decomposition schemes. *Lecture Notes in Computer Science*, 1196:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaschiev:1997:NMS

- [130] M. Kaschiev and D. Koulova-Nenova. Newton’s method for solution of one complex eigenvalue problem. *Lecture Notes in Computer Science*, 1196:227–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaschieva:1997:CBS

- [131] V. A. Kaschieva. Calculation of bifurcation states in the circle Joseffson’s conversion. *Lecture Notes in Computer Science*, 1196:236–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

BarreraRosillo:1997:CSF

- [132] D. Barrera Rosillo, M. J. Ibathez Perez, and A. Lopez Carmona. Compactly supported fundamental functions for bivariate Hermite spline interpolation and triangular finite elements of HCT type. *Lecture Notes in Computer Science*, 1196:414–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vulkov:1997:AST

- [133] L. G. Vulkov. Applications of Steklov-type eigenvalue problems to convergence of difference schemes for parabolic and hyperbolic equations with dynamical boundary conditions. *Lecture Notes in Computer Science*, 1196:557–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Williams:1997:TSP

- [134] P. S. Williams and T. E. Simos. Two-step P-stable methods with phase-lag of order infinity for the numerical solution of special second order initial value problems. *Lecture Notes in Computer Science*, 1196:565–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yalamov:1997:NCN

- [135] P. Y. Yalamov. Notes on the classification of numerical algorithms with respect to their stability to roundoff errors. *Lecture Notes in Computer Science*, 1196:573–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:NIB

- [136] T. Yang. New IMGS-based preconditioners for least squares problems. *Lecture Notes in Computer Science*, 1196:581–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zheleva:1997:NAS

- [137] I. Zheleva, V. Kambourova, P. Dimitrov, and R. Rusev. Numerical algorithm for studying heat-transfer in a

glass melting furnace. *Lecture Notes in Computer Science*, 1196:589–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zheleva:1997:IHT

- [138] I. Zheleva, V. Kambourova, P. Dimitrov, and R. Rusev. Identification of the heat-transfer in a glass melting furnace. *Lecture Notes in Computer Science*, 1196:596–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1997:HDT

- [139] A. C. Yao. Hypergraphs and decision trees. *Lecture Notes in Computer Science*, 1197:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alimonti:1997:IAI

- [140] P. Alimonti and T. Calamoneri. Improved approximations of independent dominating set in bounded degree graphs. *Lecture Notes in Computer Science*, 1197:2–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Babel:1997:NCP

- [141] L. Babel and S. Olariu. A new characterization of P4-connected graphs. *Lecture Notes in Computer Science*, 1197:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bauderon:1997:NRH

- [142] M. Bauderon and H. Jacquet. Node rewriting in hypergraphs. *Lecture Notes in Computer Science*, 1197:31–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Bezrukov:1997:PC

- [143] S. L. Bezrukov. On k -partitioning the n -cube. *Lecture Notes in Computer Science*, 1197:44–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Broadwater:1997:ECB

- [144] A. Broadwater, K. Efe, and A. Fernandez. Embedding complete binary trees in product graphs. *Lecture Notes in Computer Science*, 1197:56–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brys:1997:CAP

- [145] K. Brys and Z. Lonc. Clique and anticlique partitions of graphs. *Lecture Notes in Computer Science*, 1197:67–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:OPR

- [146] C. C. Chen and J. Chen. Optimal parallel routing in star graphs. *Lecture Notes in Computer Science*, 1197:73–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cicerone:1997:CED

- [147] S. Cicerone, D. Frigioni, U. Nanni, and F. Pugliese. Counting edges in a dag. *Lecture Notes in Computer Science*, 1197:85–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciotti:1997:CPC

- [148] O. Ciotti and F. Parisi-Presicce. Closure properties of context-free hyperedge replacement systems. *Lecture Notes in Computer Science*, 1197:101–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crescenzi:1997:UDS

- [149] P. Crescenzi and P. Penna. Upward drawings of search trees. *Lecture Notes in Computer Science*, 1197:114–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diks:1997:MGP

- [150] K. Diks and T. Hagerup. More general parallel tree contraction: Register allocation and broadcasting in a tree. *Lecture Notes in Computer Science*, 1197:126–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diks:1997:SDS

- [151] K. Diks and A. Pelc. System diagnosis with smallest risk of error. *Lecture Notes in Computer Science*, 1197:141–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Djidjev:1997:EAS

- [152] H. N. Djidjev. Efficient algorithms for shortest path queries in planar digraphs. *Lecture Notes in Computer Science*, 1197:151–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dragan:1997:LOP

- [153] F. F. Dragan, F. Nicolai, and A. Brandstaedt. LexBFS-Orderings and powers of graphs. *Lecture Notes in Computer Science*, 1197:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gustedt:1997:EUJ

- [154] J. Gustedt. Efficient union-find for planar graphs and other sparse graph classes. *Lecture Notes in Computer Science*, 1197:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartmann:1997:SRV

- [155] S. Hartmann, M. W. Schaeffter, and A. S. Schulz. Switchbox routing in VLSI design: Closing the complexity gap. *Lecture Notes in Computer Science*, 1197:196–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hurfin:1997:DDN

- [156] M. Hurfin and M. Raynal. Detecting diamond necklaces in labeled DAGs (A problem from distributed debugging). *Lecture Notes in Computer Science*, 1197:211–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kahl:1997:AGD

- [157] W. Kahl. Algebraic graph derivations for graphical calculi. *Lecture Notes in Computer Science*, 1197:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaller:1997:DER

- [158] D. Kaller. Definability equals recognizability of partial 3-Trees. *Lecture Notes in Computer Science*, 1197:239–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1997:GER

- [159] X. Zhou, M. A. Kashem, and T. Nishizeki. Generalized edge-rankings of trees. *Lecture Notes in Computer Science*, 1197:390–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Watt:1997:ASP

- [160] S. N. K. Watt. Artificial societies and psychological agents. *Lecture Notes in Computer Science*, 1198:27–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davies:1997:IAW

- [161] N. J. Davies, R. Weeks, and M. C. Revett. Information agents for the World Wide Web. *Lecture Notes in Computer Science*, 1198:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foner:1997:MAM

- [162] L. Foner and I. B. Crabtree. Multi-agent matchmaking. *Lecture Notes in Computer Science*, 1198:100–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisk:1997:ASF

- [163] D. Fisk. An application of social filtering to movie recommendation. *Lecture Notes in Computer Science*, 1198:

116-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chavez:1997:RLE

- [164] A. Chavez, D. Dreilinger, R. Guttman, and P. Maes. A real-life experiment in creating an agent marketplace. *Lecture Notes in Computer Science*, 1198:160-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zadeh:1997:RFL

- [165] L. A. Zadeh. The roles of fuzzy logic and soft computing in the conception, design and deployment of intelligent systems. *Lecture Notes in Computer Science*, 1198:183-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Azvine:1997:ISC

- [166] B. Azvine, N. Azarmi, and K. C. Tsui. An introduction to soft computing — A tool for building intelligent systems. *Lecture Notes in Computer Science*, 1198:191-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldwin:1997:BCF

- [167] J. F. Baldwin and T. P. Martin. Basic concepts of a fuzzy logic data browser with applications. *Lecture Notes in Computer Science*, 1198:211-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davis:1997:ECM

- [168] A. Davis, M. Swanson, and M. Parker. Efficient communication mechanisms for cluster based parallel computing.

Lecture Notes in Computer Science, 1199:1-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damianakis:1997:SSS

- [169] S. N. Damianakis, C. Dubnicki, and E. W. Felten. Stream sockets on SHRIMP. *Lecture Notes in Computer Science*, 1199:16-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiNucci:1997:SEP

- [170] D. C. DiNucci. A simple and efficient process and communication abstraction for network operating systems. *Lecture Notes in Computer Science*, 1199:31-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abali:1997:DAM

- [171] B. Abali. A deadlock avoidance method for computer networks. *Lecture Notes in Computer Science*, 1199:61-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Katevenis:1997:ASC

- [172] M. G. H. Katevenis, P. Vatsolaki, D. Serpanos, and E. Markatos. ATLAS-I: A single-chip ATM switch for NOWs. *Lecture Notes in Computer Science*, 1199:88-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dimitrov:1997:APT

- [173] B. Dimitrov and V. Rego. Arachne: A portable threads library supporting

migrant threads on heterogeneous network farms. *Lecture Notes in Computer Science*, 1199:102–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kim:1997:TTR

- [174] S. Kim, M. Hyun, and S. Lee. Transparent treatment of remote pointers using IPC primitive in RPC systems. *Lecture Notes in Computer Science*, 1199:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonney:1997:DHS

- [175] J. Bonney, R. Ramanujan, A. Ahamad, and S. Takkella. Distributed hardware support for process synchronization in NSM workstation clusters. *Lecture Notes in Computer Science*, 1199:144–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaddoura:1997:LBR

- [176] M. Kaddoura. Load balancing for regular data-parallel applications on workstation network. *Lecture Notes in Computer Science*, 1199:173–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bal:1997:CTH

- [177] H. Bal, R. Hofman, and K. Verstoep. A comparison of three high speed networks for parallel cluster computing. *Lecture Notes in Computer Science*, 1199:184–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomez:1997:CCL

- [178] J. C. Gomez, V. Rego, and V. S. Sunderam. CLAM: Connection-less, lightweight, and multiway communication support for distributed computing. *Lecture Notes in Computer Science*, 1199:227–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamashita:1997:NWC

- [179] H. Yamashita, T. Suguri, S. Kinoshita, and Y. Okada. Network-wide Cooperative Computing Architecture (NCCA). *Lecture Notes in Computer Science*, 1199:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chrisochoides:1997:DMC

- [180] N. Chrisochoides, I. Kodukula, and K. Pingali. Data movement and control substrate for parallel scientific computing. *Lecture Notes in Computer Science*, 1199:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brodal:1997:PQD

- [181] G. S. Brodal. Predecessor queries in dynamic integer sets. *Lecture Notes in Computer Science*, 1200:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franciosa:1997:SDS

- [182] P. G. Franciosa, D. Frigioni, and R. Giaccio. Semi-dynamic shortest paths and breadth-first search in digraphs. *Lecture Notes in Computer Science*, 1200:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1997:TRE

- [183] J. Hromkovic, S. Seibert, and T. Wilke. Translating regular expressions into small curly epsilon-free nondeterministic finite automata. *Lecture Notes in Computer Science*, 1200:55–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fiorio:1997:MMU

- [184] C. Fiorio and J. Gustedt. Memory management for union-find algorithms. *Lecture Notes in Computer Science*, 1200:67–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hempel:1997:OMM

- [185] H. Hempel and G. Wechsung. The operators min and max on the polynomial hierarchy. *Lecture Notes in Computer Science*, 1200:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buhrman:1997:RBK

- [186] H. Buhrman and L. Fortnow. Resource-bounded Kolmogorov complexity revisited. *Lecture Notes in Computer Science*, 1200:105–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duris:1997:VVD

- [187] P. Duris, J. Hromkovic, J. D. P. Rolim, and W. Schnitger. Las Vegas versus determinism for one-way communication complexity, finite automata, and polynomial-time computations. *Lecture Notes in Computer Science*, 1200:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertram-Kretzberg:1997:MTA

- [188] C. Bertram-Kretzberg and H. Lefmann. MODp-tests, almost independence and small probability spaces. *Lecture Notes in Computer Science*, 1200:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeAlfaro:1997:HDD

- [189] L. De Alfaro, A. Kapur, and Z. Manna. Hybrid diagrams: A deductive-algorithmic approach to hybrid system verification. *Lecture Notes in Computer Science*, 1200:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeAlfaro:1997:TLS

- [190] L. De Alfaro. Temporal logics for the specification of performance and reliability. *Lecture Notes in Computer Science*, 1200:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weise:1997:ESI

- [191] C. Weise and D. Lenzkes. Efficient scaling-invariant checking of timed bisimulation. *Lecture Notes in Computer Science*, 1200:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietzfelbinger:1997:GBV

- [192] M. Dietzfelbinger. Gossiping and broadcasting versus computing functions in networks. *Lecture Notes in Computer Science*, 1200:189–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waack:1997:DAP

- [193] S. Waack. On the descriptive and algorithmic power of parity ordered binary decision diagrams. *Lecture Notes in Computer Science*, 1200:201–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Case:1997:CCL

- [194] J. Case, E. Kinber, A. Sharma, and F. Stephan. On the classification of computable languages. *Lecture Notes in Computer Science*, 1200:225–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kern-Isberner:1997:CLA

- [195] G. Kern-Isberner. A conditional-logical approach to minimum cross-entropy. *Lecture Notes in Computer Science*, 1200:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Graedel:1997:URT

- [196] E. Graedel, M. Otto, and E. Rosen. Undecidability results on two-variable logics. *Lecture Notes in Computer Science*, 1200:249–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaubert:1997:MAM

- [197] S. Gaubert and M. Plus. Methods and applications of $(\max, +)$ linear algebra. *Lecture Notes in Computer Science*, 1200:261–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldstine:1997:MNP

- [198] J. Goldstine, H. Leung, and D. Wotschke. Measuring nondeterminism in push-down automata. *Lecture Notes in Computer Science*, 1200:295–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemaspaandra:1997:DTP

- [199] E. Hemaspaandra, L. A. Hemaspaandra, and H. Hempel. A downward translation in the polynomial hierarchy. *Lecture Notes in Computer Science*, 1200:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flaremini:1997:DFI

- [200] M. Flaremini. Deadlock-free interval routing schemes. *Lecture Notes in Computer Science*, 1200:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karg:1997:CGT

- [201] C. Karg, J. Koebler, and R. Schuler. The complexity of generating test instances. *Lecture Notes in Computer Science*, 1200:375–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andrew:1997:ECH

- [202] A. E. Andrew, A. E. F. Clementi, and J. D. P. Rolim. Efficient construction of hitting sets for systems of linear functions. *Lecture Notes in Computer Science*, 1200:387–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biehl:1997:PCS

- [203] I. Biehl and B. Meyer. Protocols for collusion-secure asymmetric fingerprinting. *Lecture Notes in Computer Science*, 1200:399–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cattaneo:1997:ELC

- [204] G. Cattaneo, E. Formenti, G. Manzini, and L. Margara. On ergodic linear cellular automata over Zm . *Lecture Notes in Computer Science*, 1200:427–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durand-Lose:1997:IUD

- [205] J. O. Durand-Lose. Intrinsic universality of a 1-dimensional reversible cellular automaton. *Lecture Notes in Computer Science*, 1200:439–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buss:1997:CCS

- [206] J. F. Buss, G. S. Frandsen, and J. O. Shallit. The computational complexity of some problems of linear algebra. *Lecture Notes in Computer Science*, 1200:451–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dahlhaus:1997:SPA

- [207] E. Dahlhaus. Sequential and parallel algorithms on compactly represented chordal and strongly chordal graphs. *Lecture Notes in Computer Science*, 1200:487–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feldmann:1997:BUB

- [208] R. Feldmann, B. Monien, P. Myslwi-etz, and S. Tschoeke. A better upper bound on the bisection width of de Bruijn networks. *Lecture Notes in Computer Science*, 1200:511–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feigenbaum:1997:ITT

- [209] J. Feigenbaum and M. Strauss. An information-theoretic treatment of random-self-reducibility. *Lecture Notes in Computer Science*, 1200:523–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breutzmann:1997:EMC

- [210] J. M. Breutzmann and J. H. Lutz. Equivalence of measures of complexity classes. *Lecture Notes in Computer Science*, 1200:535–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Auletta:1997:BAM

- [211] V. Auletta and M. Parente. Better algorithms for minimum weight vertex-connectivity problems. *Lecture Notes in Computer Science*, 1200:547–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diekert:1997:RCE

- [212] V. Diekert, P. Gastin, and A. Petit. Removing curly epsilon-transitions in timed automata. *Lecture Notes in Computer Science*, 1200:583–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldreich:1997:PPS

- [213] O. Goldreich. Probabilistic proof systems — A survey. *Lecture Notes in Computer Science*, 1200:595–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Artstein:1997:TLM

- [214] Z. Artstein. Tutorial: The Lyapunov method. *Lecture Notes in Computer Science*, 1201:2–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henzinger:1997:QQ

- [215] T. A. Henzinger and O. Kupferman. From quantity to quality. *Lecture Notes in Computer Science*, 1201:48–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boniol:1997:ASP

- [216] F. Boniol, A. Burgueño, O. Roux, and V. Rusu. Analysis of slope-parametric hybrid automata. *Lecture Notes in Computer Science*, 1201:75–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huuck:1997:CTC

- [217] R. Huuck, Y. Lakhnech, L. Urbina, and S. Engell. Comparing timed C/E systems with timed automata. *Lecture Notes in Computer Science*, 1201:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hajji:1997:DTH

- [218] M. S. Hajji, J. M. Bass, A. R. Browne, and P. J. Fleming. Design tools for hybrid control systems.

Lecture Notes in Computer Science, 1201:87–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branicky:1997:LRC

- [219] M. S. Branicky. On-line, reflexive constraint satisfaction for hybrid systems: First steps. *Lecture Notes in Computer Science*, 1201:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cerone:1997:MTD

- [220] A. Cerone, A. J. Cowie, G. J. Milne, and P. A. Moseley. Modeling a time-dependent protocol using the Circal process algebra. *Lecture Notes in Computer Science*, 1201:124–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dolginova:1997:SVA

- [221] E. Dolginova and N. Lynch. Safety verification for automated platoon maneuvers. *Lecture Notes in Computer Science*, 1201:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Archer:1997:VHS

- [222] M. Archer and C. Heitmeyer. Verifying hybrid systems modeled as timed automata. *Lecture Notes in Computer Science*, 1201:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flaus:1997:HFN

- [223] J.-M. Flaus and G. Ollagnon. Hybrid flow nets for hybrid processes modeling and control. *Lecture Notes in Computer Science*, 1201:213–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caspi:1997:WCW

- [224] P. Caspi. What can we learn from synchronous data-flow languages? *Lecture Notes in Computer Science*, 1201:255–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bornot:1997:RTP

- [225] S. Bornot and J. Sifakis. Relating time progress and deadlines in hybrid systems. *Lecture Notes in Computer Science*, 1201:286–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xu:1997:SVE

- [226] Q. Xu. Semantics and verification of extended phase transition systems in duration calculus. *Lecture Notes in Computer Science*, 1201:301–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weise:1997:WRM

- [227] C. Weise and D. Lenzkes. Weak refinement for modal hybrid systems. *Lecture Notes in Computer Science*, 1201:316–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:RTA

- [228] V. Gupta, T. A. Henzinger, and R. Jagadeesan. Robust timed automata. *Lecture Notes in Computer Science*, 1201:331–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asarin:1997:DSV

- [229] E. Asarin, M. Bozga, A. Kerbrat, and O. Maler. Data-structures for the verification of timed automata. *Lecture Notes in Computer Science*, 1201:346–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1997:SCH

- [230] D. Kapur and R. K. Shyamasundar. Synthesizing controllers for hybrid systems. *Lecture Notes in Computer Science*, 1201:361–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heymann:1997:CSC

- [231] M. Heymann, F. Lin, and G. Meyer. Control synthesis for a class of hybrid systems subject to configuration-based safety constraints. *Lecture Notes in Computer Science*, 1201:376–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeSchutter:1997:GLC

- [232] B. De Schutter and B. De Moor. Generalized linear complementarity problems and the analysis of continuously variable systems and discrete event systems. *Lecture Notes in Computer Science*, 1201:409–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wooldridge:1997:IAB

- [233] M. Wooldridge. Issues in agent-based software engineering. *Lecture Notes in Computer Science*, 1202:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergamaschi:1997:EIH

- [234] S. Bergamaschi. Extraction of informations from highly heterogeneous source of textual data. *Lecture Notes in Computer Science*, 1202:42–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burkhard:1997:CIA

- [235] H.-D. Burkhard. Cases, information, and agents. *Lecture Notes in Computer Science*, 1202:64–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kerschberg:1997:KRC

- [236] L. Kerschberg. Knowledge rovers: Cooperative intelligent agent support for enterprise information architectures. *Lecture Notes in Computer Science*, 1202:79–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vossen:1997:CSC

- [237] G. Vossen. The CORBA specification for cooperation in heterogeneous information systems. *Lecture Notes in Computer Science*, 1202:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berndtsson:1997:RSA

- [238] M. Berndtsson, S. Chakravarthy, and B. Lings. Result sharing among agents using reactive rules. *Lecture Notes in Computer Science*, 1202:126–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Babin:1997:MMD

- [239] G. Babin, Z. Maamar, and B. Chaib-Draa. Metadatabase meets distributed AI. *Lecture Notes in Computer Science*, 1202:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haneke:1997:LBF

- [240] E. Haneke. ‘learning’ based filtering of text information using simple interest profiles. *Lecture Notes in Computer Science*, 1202:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhong:1997:OSA

- [241] N. Zhong, Y. Kakemoto, and S. Ohsuga. An organized society of autonomous knowledge discovery agents. *Lecture Notes in Computer Science*, 1202:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cao:1997:AEC

- [242] W. Cao, C.-G. Bian, and G. Hartvigsen. Achieving efficient cooperation in a multi-agent system: The twin-base modelling. *Lecture Notes in Computer Science*, 1202:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jamison:1997:AIH

- [243] W. C. Jamison. Approaching interoperability for heterogeneous multi-agent systems using high order agencies. *Lecture Notes in Computer Science*, 1202:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bordini:1997:AIO

- [244] R. H. Bordini, J. A. Campbell, and R. Vieira. Ascription of intensional ontologies in anthropological descriptions of multi-agent systems. *Lecture Notes in Computer Science*, 1202:235–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1997:MLS

- [245] G. Wagner. Multi-level security in multiagent systems. *Lecture Notes in Computer Science*, 1202:272–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bilardi:1997:ADS

- [246] G. Bilardi. Algorithms and data structures for control dependence and related compiler problems. *Lecture Notes in Computer Science*, 1203:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Even:1997:EIN

- [247] G. Even and S. Even. Embedding interconnection networks in grids via the layered cross product. *Lecture Notes in Computer Science*, 1203:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dinitz:1997:FOV

- [248] Y. Dinitz and Z. Nutov. Finding optimum k -vertex connected spanning subgraphs: Improved approximation algorithms for $k = 3, 4, 5$. *Lecture Notes in Computer Science*, 1203:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1997:OCC

- [249] K. Jansen. The optimum cost chromatic partition problem. *Lecture Notes in Computer Science*, 1203:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khuller:1997:FTC

- [250] S. Khuller, R. Pless, and Y. J. Sussmann. Fault tolerant K -center problems. *Lecture Notes in Computer Science*, 1203:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemaspaandra:1997:RTN

- [251] E. Hemaspaandra, L. A. Hemaspaandra, and H. Hempel. R0SON1-tt(NP) distinguishes robust many-one and Turing completeness. *Lecture Notes in Computer Science*, 1203:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caporaso:1997:SCL

- [252] S. Caporaso, M. Zito, N. Galesi, and E. Covino. Syntactic characterization in LISP of the polynomial complexity classes and hierarchy. *Lecture Notes in Computer Science*, 1203:61–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feige:1997:DSS

- [253] U. Feige and G. Rayzman. On the drift of short schedules. *Lecture Notes in Computer Science*, 1203:74–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomez:1997:RND

- [254] F. Gomez, S. Ramaswami, and G. Toussaint. On removing non-degeneracy assumptions in computational geometry. *Lecture Notes in Computer Science*, 1203:86–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

D'Amore:1997:MMU

- [255] F. D'Amore, P. G. Franciosa, R. Giaccio, and M. Talamo. Maintaining maxima under boundary updates. *Lecture Notes in Computer Science*, 1203:100–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Datta:1997:OAO

- [256] A. Datta, K. Krithivasan, and T. Ottmann. An optimal algorithm for one-separation of a set of isothetic polygons. *Lecture Notes in Computer Science*, 1203:110–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foessmeier:1997:NDP

- [257] U. Foessmeier and M. Kaufmann. Nice drawings for planar bipartite graphs. *Lecture Notes in Computer Science*, 1203:122–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amir:1997:IDA

- [258] A. Amir and E. Dar. An improved deterministic algorithm for generalized random sampling. *Lecture Notes in Computer Science*, 1203:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Domingo:1997:PTA

- [259] C. Domingo. Polynomial time algorithms for some self-duality problems. *Lecture Notes in Computer Science*, 1203:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferragina:1997:NUS

- [260] P. Ferragina, R. Grossi, and M. Montanero. A note on updating suffix tree labels. *Lecture Notes in Computer Science*, 1203:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanke:1997:RBR

- [261] S. Hanke, T. Ottmann, and E. Soisalon-Soininen. Relaxed balanced red-black trees. *Lecture Notes in Computer Science*, 1203:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damaschke:1997:ACC

- [262] P. Damaschke. The algorithmic complexity of chemical threshold testing. *Lecture Notes in Computer Science*, 1203:205–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Katajainen:1997:MAM

- [263] J. Katajainen and J. L. Traeff. A meticulous analysis of mergesort programs. *Lecture Notes in Computer Science*, 1203:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cattaneo:1997:TCE

- [264] G. Cattaneo, M. Finelli, and L. Margara. Topological chaos for elementary cellular automata. *Lecture Notes in Computer Science*, 1203:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernasconi:1997:CBB

- [265] A. Bernasconi. On the complexity of balanced Boolean functions. *Lecture Notes in Computer Science*, 1203:253–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemaspaandra:1997:SEC

- [266] L. A. Hemaspaandra, J. Rothe, and G. Wechsung. On sets with easy certificates and the existence of one-way permutations. *Lecture Notes in Computer Science*, 1203:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamazaki:1997:IGB

- [267] K. Yamazaki, H. L. Bodlaender, B. De Fluiter, and D. M. Thilikos. Isomorphism for graphs of bounded distance width. *Lecture Notes in Computer Science*, 1203:276–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alimonti:1997:HAP

- [268] P. Alimonti and V. Kann. Hardness of approximating problems on cubic graphs. *Lecture Notes in Computer Science*, 1203:288–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kao:1997:TCE

- [269] M.-Y. Kao. Tree contractions and evolutionary trees. *Lecture Notes in Computer Science*, 1203:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goos:1997:PLP

- [270] G. Goos. From programming languages to program construction. *Lecture Notes in Computer Science*, 1204:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gough:1997:MLM

- [271] K. J. Gough. Multi-language, multi-target compiler development: Evolution of the Gardens Point Compiler Project. *Lecture Notes in Computer Science*, 1204:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gough:1997:EAS

- [272] K. J. Gough and H. Klaeren. Executable assertions and separate compilation. *Lecture Notes in Computer Science*, 1204:41–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Collin:1997:TIL

- [273] S. Collin, D. Colnet, and O. Zendra. Type inference for late binding: The SmallEiffel compiler. *Lecture Notes in Computer Science*, 1204:67–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weck:1997:ADT

- [274] W. Weck. An abstract data type for freezable lists and DAGs. *Lecture*

Notes in Computer Science, 1204:112–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hof:1997:JTS

- [275] M. Hof. Just-in-time stub generation. *Lecture Notes in Computer Science*, 1204:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gutknecht:1997:DFR

- [276] J. Gutknecht. Do the fish really need remote control? A proposal for self-active objects in Oberon. *Lecture Notes in Computer Science*, 1204:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Disteli:1997:COA

- [277] A. R. Disteli and P. Reali. Combining Oberon with active objects. *Lecture Notes in Computer Science*, 1204:221–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evered:1997:HWD

- [278] M. Evered, J. L. Keedy, A. Schmolitzky, and G. Menger. How well do inheritance mechanisms support inheritance concepts? *Lecture Notes in Computer Science*, 1204:252–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suzuki:1997:AVB

- [279] Sho'ji Suzuki, Tatsunori Kato, Hiroshi Ishizuka, Yasutake Takahashi, Eiji Uchibe, and Minoru Asada. An application of vision-based learning

in RoboCup for a real robot with an omnidirectional vision system and the team description of Osaka University “Trackies”. *Lecture Notes in Computer Science*, 1204:316–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1604/16040316.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1604/16040316.pdf>.

Eisenecker:1997:GPG

- [280] U. W. Eisenecker. Generative programming (GP) with C++. *Lecture Notes in Computer Science*, 1204:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zeller:1997:SIO

- [281] E. Zeller. Seamless integration of on-line services in the Oberon document system. *Lecture Notes in Computer Science*, 1204:366–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bro-Nielsen:1997:NRI

- [282] M. Bro-Nielsen, C. Gramkow, and S. Kreiborg. Non-rigid image registration using bone growth model. *Lecture Notes in Computer Science*, 1205:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Declerck:1997:DCP

- [283] J. Declerck, J. Feldmar, and N. Ayache. Definition of a 4D continuous polar transformation for the tracking and the analysis of LV motion. *Lecture Notes in Computer Science*, 1205:33–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jones:1997:SUD

- [284] T. N. Jones and D. N. Metaxas. Segmentation using deformable models with affinity-based localization. *Lecture Notes in Computer Science*, 1205:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gee:1997:AEM

- [285] J. C. Gee, D. R. Haynor, L. Le Briquer, and R. K. Bajcsy. Advances in elastic matching theory and its implementation. *Lecture Notes in Computer Science*, 1205:63–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jacq:1997:ADA

- [286] J. J. Jacq and C. Roux. Automatic detection of articular surfaces in 3D image through minimal subset random sampling. *Lecture Notes in Computer Science*, 1205:73–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delingette:1997:DIS

- [287] H. Delingette. Decimation of iso-surfaces with deformable models. *Lecture Notes in Computer Science*, 1205:83–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bite:1997:CEO

- [288] U. Bite, P. Yugueros, S. TerKonda, and D. D’Souza. Comparative estimation of orbital three dimensional CT measurements utilizing ANALYZE[TM]. *Lecture Notes in Computer Science*, 1205:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

ture Notes in Computer Science, 1205:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hamadeh:1997:KSL

- [289] A. Hamadeh and P. Cinquin. Kinematic study of lumbar spine using functional radiographies and 3D/2D registration. *Lecture Notes in Computer Science*, 1205:109–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weese:1997:ARV

- [290] J. Weese, T. M. Buzug, C. Lorenz, and C. Fassnacht. An approach to 2D/3D registration of a vertebra in 2D X-ray fluoroscopies with 3D CT images. *Lecture Notes in Computer Science*, 1205:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feldmar:1997:MMA

- [291] Y. Feldmar, G. Malandain, N. Ayache, and S. Fernandez-Vidal. Matching 3D MR angiography data and 2D X-ray angiograms. *Lecture Notes in Computer Science*, 1205:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ellis:1997:MEC

- [292] R. E. Ellis, D. J. Fleet, J. T. Bryant, and J. Rudan. A method for evaluating CT-based surgical registration. *Lecture Notes in Computer Science*, 1205:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

West:1997:RIR

- [293] J. West, J. M. Fitzpatrick, M. Y. Wang, and B. M. Dawant. Retrospective intermodality registration techniques: surface-based versus volume-based. *Lecture Notes in Computer Science*, 1205:151–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bro-Nielsen:1997:RRC

- [294] M. Bro-Nielsen. Rigid registration of CT, MR and cryosection images using a GLCM framework. *Lecture Notes in Computer Science*, 1205:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhalerao:1997:UPM

- [295] A. Bhalerao, C.-F. Westin, and R. Kikinis. Unwrapping phase in 3D MR phase contrast angiograms. *Lecture Notes in Computer Science*, 1205:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buzug:1997:IRC

- [296] T. M. Buzug, J. Weese, C. Fassnacht, and C. Lorenz. Image registration: convex weighting functions for histogram-based similarity measures. *Lecture Notes in Computer Science*, 1205:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Juhan:1997:GMA

- [297] V. Juhan, B. Nazarian, K. Malkani, and R. Bulot. Geometrical modeling of abdominal aortic aneurysms. *Lecture Notes in Computer Science*, 1205:243–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Berlage:1997:ARD

- [298] T. Berlage. Augmented reality for diagnosis based on ultrasound images. *Lecture Notes in Computer Science*, 1205:253–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Champleboux:1997:PTD

- [299] G. Champleboux and D. Henry. Parametric two-dimensional B-spline representation of vein and artery from 2.5D echography used to aid virtual echography. *Lecture Notes in Computer Science*, 1205:263–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chavanon:1997:CAP

- [300] O. Chavanon, C. Barbe, J. Trocaz, and L. Carrat. Computer-Assisted PERicardial punctures: animal feasibility study. *Lecture Notes in Computer Science*, 1205:285–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bzostek:1997:ASP

- [301] A. Bzostek, S. Schreiner, A. C. Barnes, and J. A. Cadeddu. An automated system for precise percutaneous access of the renal collecting system. *Lecture Notes in Computer Science*, 1205:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Auer:1997:VEP

- [302] L. M. Auer, D. Auer, and J. F. Knoploch. Virtual endoscopy for plan-

ning and simulation of minimally invasive neurosurgery. *Lecture Notes in Computer Science*, 1205:315–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gorodia:1997:RAM

- [303] T. M. Gorodia, R. H. Taylor, and L. M. Auer. Robot-assisted minimally invasive neurosurgical procedures: first experimental experience. *Lecture Notes in Computer Science*, 1205:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Darabi:1997:RSE

- [304] K. Darabi, K. D. M. Resch, J. Weinert, and U. Jendrysiak. Real and simulated endoscopy of neurosurgical approaches in an anatomical model. *Lecture Notes in Computer Science*, 1205:323–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hauser:1997:NIP

- [305] R. Hauser, B. Westermann, and R. Probst. Non-invasive 3D patient registration for image-guided intranasal surgery — experimental and clinical results. *Lecture Notes in Computer Science*, 1205:327–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bellemare:1997:TAT

- [306] M. E. Bellemare, P. Haigron, and J. L. Coatrieux. Toward an active three dimensional navigation system in medical imaging. *Lecture Notes in Computer Science*, 1205:337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jambon:1997:LCT

- [307] A.-C. Jambon, P. Dubois, and S. Karpf. A low-cost training simulator for initial formation in gynecologic laparoscopy. *Lecture Notes in Computer Science*, 1205:347–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wei:1997:ATL

- [308] G.-Q. Wei, K. Arbter, and G. Hirzinger. Automatic tracking of laparoscopic instruments by color coding. *Lecture Notes in Computer Science*, 1205:357–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gibson:1997:SAK

- [309] S. Gibson, J. Samosky, A. Mor, and C. Fyock. Simulating arthroscopic knee surgery using volumetric object representations, real-time volume rendering and haptic feedback. *Lecture Notes in Computer Science*, 1205:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaye:1997:VEM

- [310] J. Kaye, D. N. Metaxas, and F. P. Primiano. A 3D virtual environment for modeling mechanical cardiopulmonary interactions. *Lecture Notes in Computer Science*, 1205:389–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berger:1997:DCC

- [311] J. W. Berger, M. E. Leventon, N. Hata, and W. Wells. Design considerations for a computer-vision-enabled

ophthalmic augmented reality environment. *Lecture Notes in Computer Science*, 1205:399–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bricault:1997:FMB

- [312] I. Bricault. A fast morphology-based registration — application to computer-assisted bronchoscopy. *Lecture Notes in Computer Science*, 1205:417–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1997:EIB

- [313] D. L. G. Hill, C. R. Maurer, M. Y. Wang, and R. J. Maciunas. Estimation of intraoperative brain surface movement. *Lecture Notes in Computer Science*, 1205:449–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bucholz:1997:CSI

- [314] R. D. Bucholz, D. D. Yeh, J. Trobaugh, and L. L. McDurmont. The correction of stereotactic inaccuracy caused by brain shift using an intraoperative ultrasound device. *Lecture Notes in Computer Science*, 1205:459–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ettinger:1997:ETM

- [315] G. J. Ettinger, M. E. Leventon, W. E. L. Grimson, and R. Kikinis. Experimentation with a transcranial magnetic stimulation system for functional brain mapping. *Lecture Notes in Computer Science*, 1205:477–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouchard:1997:PRS

- [316] V. Bouchard, P. Cinquin, L. Desbat, and A. François Joubert. A priori registration of SPECT projections and MR/CT images for SPECT reconstruction improvement. *Lecture Notes in Computer Science*, 1205:491–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Colchester:1997:CPT

- [317] A. C. F. Colchester, J. Zhao, N. Dorward, and G. Subsol. Comparison of phantom target localization by frame-based stereotaxy and using the VISLAN system. *Lecture Notes in Computer Science*, 1205:501–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alusi:1997:TDT

- [318] G. Alusi, A. C. Tan, A. D. Linney, and K. Raoof. Three dimensional tracking with ultrasound for augmented reality applications in skull base surgery. *Lecture Notes in Computer Science*, 1205:511–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glossop:1997:ETA

- [319] N. Glossop and R. Hu. Effects of tracking adjacent vertebral bodies during image guided pedicle screw surgery. *Lecture Notes in Computer Science*, 1205:531–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bauer:1997:RAE

- [320] A. Bauer, M. Boerner, and A. Lahmer. Robodoc — animal experiment and

clinical evaluation. *Lecture Notes in Computer Science*, 1205:561–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kahler:1997:ECI

- [321] D. M. Kahler and R. Zura. Evaluation of a computer integrated surgical technique for percutaneous fixation of transverse acetabular fractures. *Lecture Notes in Computer Science*, 1205:565–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaramaz:1997:RMA

- [322] B. Jaramaz, C. Nikou, D. A. Simon, and A. M. DiGioia. Range of motion after total hip arthroplasty: experimental verification of the analytical simulator. *Lecture Notes in Computer Science*, 1205:573–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hu:1997:AIG

- [323] R. Hu, N. Glossop, D. Steven, and J. Randle. Accuracy of image guided placement of iliosacral lag screws. *Lecture Notes in Computer Science*, 1205:593–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gong:1997:RSM

- [324] J. Gong, R. Baechler, M. Sati, and L.-P. Nolte. Restricted surface matching: a new approach to registration in computer assisted surgery. *Lecture Notes in Computer Science*, 1205:597–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fadda:1997:CAP

- [325] M. Fadda, D. Bertelli, S. Martelli, and M. Marcacci. Computer assisted planning for total knee arthroplasty. *Lecture Notes in Computer Science*, 1205:619–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Banks:1997:SFB

- [326] S. A. Banks, A. Z. Banks, T. V. S. Klos, and F. F. Cook. A simple fluoroscopy based technique for assessing 3D knee kinematics before, during, and after surgery. *Lecture Notes in Computer Science*, 1205:639–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bondiau:1997:ERC

- [327] P.-Y. Bondiau and G. Malandain. Eye reconstruction and CT-retinography fusion for proton treatment planning of ocular diseases. *Lecture Notes in Computer Science*, 1205:705–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Erbse:1997:DAS

- [328] S. Erbse, K. Radermacher, M. Anton, and G. Rau. Development of an automatic surgical holding system based on ergonomic analysis. *Lecture Notes in Computer Science*, 1205:737–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harris:1997:ERS

- [329] S. J. Harris, W. J. Lin, K. L. Fan, and R. D. Hibberd. Experiences with robotic systems for knee surgery. *Lecture Notes in Computer Science*, 1205:

757-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandt:1997:CRI

- [330] G. Brandt, K. Radermacher, S. Lavallee, and H.-W. Staudte. A compact robot for image-guided orthopedic surgery: concept and preliminary results. *Lecture Notes in Computer Science*, 1205:767-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carrozza:1997:DMS

- [331] M. C. Carrozza, L. Lencioni, B. Magnani, and S. D'Attanasio. The development of a microrobot system for colonoscopy. *Lecture Notes in Computer Science*, 1205:779-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freysinger:1997:ITA

- [332] W. Freysinger, M. J. Truppe, A. R. Gunkel, and W. L. Thumfart. Interactive telepresence and augmented reality in ENT surgery: interventional video tomography. *Lecture Notes in Computer Science*, 1205:817-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benn:1997:REC

- [333] D. E. Benn, M. S. Nixon, and J. N. Carter. Robust eye centre extraction using the Hough transform. *Lecture Notes in Computer Science*, 1206:3-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choi:1997:LFF

- [334] K. N. Choi, A. D. J. Cross, and E. R. Hancock. Localising facial features with matched filters. *Lecture Notes in Computer Science*, 1206:11-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1997:SNF

- [335] S. Fischer and B. Duc. Shape normalisation for face recognition. *Lecture Notes in Computer Science*, 1206:21-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kervrann:1997:GLR

- [336] C. Kervrann, F. Davoine, P. Perez, and H. Li. Generalized likelihood ratio-based face detection and extraction of mouth features. *Lecture Notes in Computer Science*, 1206:27-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coianiz:1997:AEL

- [337] T. Coianiz and L. Torresani. Analysis and encoding of lip movements. *Lecture Notes in Computer Science*, 1206:53-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wechsler:1997:AVB

- [338] H. Wechsler, V. Kakkad, J. Huang, and S. Gutta. Automatic video-based person authentication using the RBF network. *Lecture Notes in Computer Science*, 1206:85-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cunado:1997:UGB

- [339] D. Cunado, M. S. Nixon, and J. N. Carter. Using gait as a biometric, via phase-weighted magnitude spectra. *Lecture Notes in Computer Science*, 1206:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hong:1997:IAU

- [340] L. Hong, A. Jain, S. Pankanti, and R. Bolle. Identity authentication using fingerprints. *Lecture Notes in Computer Science*, 1206:103–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Etemad:1997:DAR

- [341] K. Etemad and R. Chellappa. Discriminant analysis for recognition of human face images. *Lecture Notes in Computer Science*, 1206:127–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beumier:1997:API

- [342] C. Beumier and M. Acheroy. Automatic profile identification. *Lecture Notes in Computer Science*, 1206:145–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dai:1997:RFI

- [343] Y. Dai and Y. Nakano. Recognition of facial images with low resolution using a Hopfield memory model. *Lecture Notes in Computer Science*, 1206:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gebhart:1997:EPN

- [344] A. Gebhart and T. Eppler. Exclusion of photos and new segmentation algorithms for the automatic face recognition. *Lecture Notes in Computer Science*, 1206:161–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Besacier:1997:SA

- [345] L. Besacier and J.-F. Bonastre. Sub-band approach for automatic speaker recognition: Optimal division of the frequency domain. *Lecture Notes in Computer Science*, 1206:195–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charlet:1997:OFS

- [346] D. Charlet and D. Jouvét. Optimizing feature set for speaker verification. *Lecture Notes in Computer Science*, 1206:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finan:1997:VSN

- [347] R. A. Finan, A. T. Sapeluk, and R. I. Damper. VQ score normalisation for text-dependent and text-independent speaker recognition. *Lecture Notes in Computer Science*, 1206:211–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Furui:1997:RAS

- [348] S. Furui. Recent advances in speaker recognition. *Lecture Notes in Computer Science*, 1206:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hayakawa:1997:SIU

- [349] S. Hayakawa, K. Takeda, and F. Itakura. Speaker identification using harmonic structure of LP-residual spectrum. *Lecture Notes in Computer Science*, 1206:253–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Julia:1997:SIA

- [350] L. E. Julia, L. P. Heck, and A. J. Cheyer. A speaker identification agent. *Lecture Notes in Computer Science*, 1206:261–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biguen:1997:ECM

- [351] E. S. Biguen, J. Biguen, B. Duc, and S. Fischer. Expert conciliation for multi modal person authentication systems by Bayesian statistics. *Lecture Notes in Computer Science*, 1206:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dieckmann:1997:SBP

- [352] U. Dieckmann, P. Plankensteiner, R. Schamburger, and B. Froeba. SESAM: A biometric person identification system using sensor fusion. *Lecture Notes in Computer Science*, 1206:301–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duc:1997:PAF

- [353] B. Duc, G. Maitre, S. Fischer, and J. Biguen. Person authentication by fusing face and speech information. *Lecture Notes in Computer Science*, 1206:311–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Jourlin:1997:ALS

- [354] P. Jourlin, J. Luettin, D. Genoud, and H. Wassner. Acoustic-labial speaker verification. *Lecture Notes in Computer Science*, 1206:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bargale:1997:DAV

- [355] C. B. Bargale, S. Chaudhuri, and P. Bhattacharyya. Development of an audio-visual database system for human identification. *Lecture Notes in Computer Science*, 1206:345–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davoine:1997:VCP

- [356] F. Davoine, H. Li, and R. Forchheimer. Video compression and person authentication. *Lecture Notes in Computer Science*, 1206:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Doi:1997:LCS

- [357] M. Doi, Q. Chen, K. Sato, and K. Chihara. Lock-control system using face identification. *Lecture Notes in Computer Science*, 1206:361–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferralasco:1997:SAF

- [358] D. Ferralasco, R. Ferrari, and M. Tistarelli. A system for automatic face recognition. *Lecture Notes in Computer Science*, 1206:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

George:1997:TES

- [359] M. H. George and R. A. King. Time encoded signal processing and recognition for reduced data, high performance speaker verification architectures. *Lecture Notes in Computer Science*, 1206:377–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

James:1997:CSV

- [360] D. James, H.-P. Hutter, and F. Bimbot. The CAVE speaker verification project — experiments on the YOHO and SESP corpora. *Lecture Notes in Computer Science*, 1206:385–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hayes:1997:RSL

- [361] I. J. Hayes, R. G. Nickson, and P. A. Strooper. Refining specifications to logic programs. *Lecture Notes in Computer Science*, 1207:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fribourg:1997:SVG

- [362] L. Fribourg and J. Richardson. Symbolic verification with gap-order constraints. *Lecture Notes in Computer Science*, 1207:20–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cortesi:1997:SBA

- [363] A. Cortesi, B. Le Charlier, and S. Rossi. Specification-based automatic verification of Prolog programs. *Lecture Notes in Computer Science*, 1207:38–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joergensen:1997:CPD

- [364] J. Joergensen, M. Leuschel, and B. Martens. Conjunctive partial deduction in practice. *Lecture Notes in Computer Science*, 1207:59–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bossi:1997:RCP

- [365] A. Bossi and N. Cocco. Replacement can preserve termination. *Lecture Notes in Computer Science*, 1207:104–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brunekreef:1997:TTP

- [366] J. Brunekreef. A transformation tool for pure Prolog programs. *Lecture Notes in Computer Science*, 1207:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fribourg:1997:RPN

- [367] L. Fribourg and H. Olsen. Reductions of Petri nets and unfolding of propositional logic programs. *Lecture Notes in Computer Science*, 1207:187–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benoy:1997:IAS

- [368] F. Benoy and A. King. Inferring argument size relationships with CLP(R). *Lecture Notes in Computer Science*, 1207:204–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gegg-Harrison:1997:ELP

- [369] T. S. Gegg-Harrison. Extensible logic program schemata. *Lecture Notes in Computer Science*, 1207:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brogi:1997:SML

- [370] A. Brogi and S. Contiero. Specialising meta-level compositions of logic programs. *Lecture Notes in Computer Science*, 1207:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dung:1997:SPP

- [371] P. M. Dung, R. A. Kowalski, and F. Toni. Synthesis of proof procedures for default reasoning. *Lecture Notes in Computer Science*, 1207:313–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Warmuth:1997:SCL

- [372] M. Warmuth. Sample compression, learnability, and the Vapnik–Chervonenkis dimension. *Lecture Notes in Computer Science*, 1208:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beimel:1997:LBH

- [373] A. Beimel and E. Kushilevitz. Learning boxes in high dimension. *Lecture Notes in Computer Science*, 1208:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guijarro:1997:LMT

- [374] D. Guijarro, V. Lavin, and V. Raghavan. Learning monotone term decision lists. *Lecture Notes in Computer*

Science, 1208:16–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bshouty:1997:LMF

- [375] N. H. Bshouty, C. Tamon, and D. K. Wilson. Learning matrix functions over rings. *Lecture Notes in Computer Science*, 1208:27–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freund:1997:LUP

- [376] Y. Freund and Y. Mansour. Learning under persistent drift. *Lecture Notes in Computer Science*, 1208:109–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cesa-Bianchi:1997:RHM

- [377] N. Cesa-Bianchi, P. Fischer, E. Shamir, and H. U. Simon. Randomized hypotheses and minimum disagreement hypotheses for learning with noise. *Lecture Notes in Computer Science*, 1208:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Helmbold:1997:LWT

- [378] D. Helmbold, S. Kwek, and L. Pitt. Learning when to trust which experts. *Lecture Notes in Computer Science*, 1208:134–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergadano:1997:LBP

- [379] F. Bergadano, N. H. Bshouty, C. Tamon, and S. Varricchio. On learning branching programs and small depth circuits. *Lecture Notes in Computer Science*, 1208:150–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castro:1997:LNM

- [380] J. Castro, D. Guijarro, and V. Lavin. Learning nearly monotone k -term DNF. *Lecture Notes in Computer Science*, 1208:162–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Birkendorf:1997:FSA

- [381] A. Birkendorf. On fast and simple algorithms for finding maximal subarrays and applications in learning theory. *Lecture Notes in Computer Science*, 1208:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bartlett:1997:MLB

- [382] P. Bartlett, T. Linder, and G. Lugosi. A minimax lower bound for empirical quantizer design. *Lecture Notes in Computer Science*, 1208:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gurvits:1997:LAP

- [383] L. Gurvits. Linear algebraic proofs of VC-dimension based inequalities. *Lecture Notes in Computer Science*, 1208:238–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baxter:1997:RRC

- [384] J. Baxter and P. Bartlett. A result relating convex n -widths to covering numbers with some applications to neural networks. *Lecture Notes in Computer Science*, 1208:251–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barzdins:1997:LFE

- [385] J. Barzdins, R. Freivalds, and C. H. Smith. Learning formulae from elementary facts. *Lecture Notes in Computer Science*, 1208:272–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Case:1997:CSH

- [386] J. Case, S. Jain, and M. Suraj. Control structures in hypothesis spaces: the influence on learning. *Lecture Notes in Computer Science*, 1208:286–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ambainis:1997:OMC

- [387] A. Ambainis, S. Jain, and A. Sharma. Ordinal mind change complexity of language identification. *Lecture Notes in Computer Science*, 1208:301–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaufmann:1997:RLI

- [388] S. Kaufmann and F. Stephan. Robust learning with infinite additional information. *Lecture Notes in Computer Science*, 1208:316–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cranefield:1997:ABA

- [389] S. Cranefield and M. Purvis. An agent-based architecture for software tool coordination. *Lecture Notes in Computer Science*, 1209:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bell:1997:DGH

- [390] J. Bell and Z. Huang. Dynamic goal hierarchies. *Lecture Notes in Computer Science*, 1209:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cavedon:1997:SIC

- [391] L. Cavedon, A. Rao, and G. Tidhar. Social and individual commitment. *Lecture Notes in Computer Science*, 1209:152–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clark:1997:EPT

- [392] M. Clark, K. Irwig, and W. Wobcke. Emergent properties of teams of agents in the tileworld. *Lecture Notes in Computer Science*, 1209:164–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1997:HDA

- [393] A. Ito. How do autonomous agents solve social dilemmas? *Lecture Notes in Computer Science*, 1209:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akama:1997:LCT

- [394] Y. Akama. A lambda-to-CL translation for strong normalization. *Lecture Notes in Computer Science*, 1210:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Belle:1997:TIL

- [395] G. Belle and E. Moggi. Typed intermediate languages for shape analysis. *Lecture Notes in Computer Science*, 1210:11–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berardi:1997:MIC

- [396] S. Berardi and L. Boerio. Minimum information code in a pure functional language with data types. *Lecture Notes in Computer Science*, 1210:30–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bono:1997:MCL

- [397] V. Bono and M. Bugliesi. Matching constraints for the lambda calculus of objects. *Lecture Notes in Computer Science*, 1210:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandt:1997:CAR

- [398] M. Brandt and F. Henglein. Coinductive axiomatization of recursive type equality and subtyping. *Lecture Notes in Computer Science*, 1210:63–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brauener:1997:SAC

- [399] T. Brauener. A simple adequate categorical model for PCF. *Lecture Notes in Computer Science*, 1210:82–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bucciarelli:1997:LRB

- [400] A. Bucciarelli. Logical reconstruction of bi-domains. *Lecture Notes in Computer Science*, 1210:99–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Courant:1997:MCP

- [401] J. Courant. A module calculus for pure type systems. *Lecture Notes in Computer Science*, 1210:112–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damiani:1997:IAS

- [402] F. Damiani and P. Giannini. An inference algorithm for strictness. *Lecture Notes in Computer Science*, 1210:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Despeyroux:1997:PRH

- [403] J. Despeyroux, F. Pfenning, and C. Schuermann. Primitive recursion for higher-order abstract syntax. *Lecture Notes in Computer Science*, 1210:147–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghani:1997:EED

- [404] N. Ghani. Eta-expansions in dependent type theory — the calculus of constructions. *Lecture Notes in Computer Science*, 1210:164–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guerrini:1997:PNG

- [405] S. Guerrini, S. Martini, and A. Masini. Proof nets, garbage, and computations. *Lecture Notes in Computer Science*, 1210:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hasegawa:1997:RCS

- [406] M. Hasegawa. Recursion from cyclic sharing: traced monoidal categories and models of cyclic lambda calculi. *Lecture Notes in Computer Science*, 1210:196–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herbelin:1997:GWH

- [407] H. Herbelin. Games and weak-head reduction for classical PCF. *Lecture Notes in Computer Science*, 1210:214–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xi:1997:WSB

- [408] H. Xi. Weak and strong beta normalisations in typed lambda-calculi. *Lecture Notes in Computer Science*, 1210:390–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fox:1997:PMP

- [409] J. Fox, N. Johns, and A. Rahmanzadeh. Protocols for medical procedures and therapies: A provisional description of the PROforma language and tools. *Lecture Notes in Computer Science*, 1211:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeCarolis:1997:UAM

- [410] B. De Carolis, G. Rumolo, and V. Cavallo. User-adapted multimedia explanations in a clinical guidelines consultation system. *Lecture Notes in Computer Science*, 1211:62–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gordon:1997:ACP

- [411] C. Gordon, P. Johnson, C. Waite, and M. Veloso. Algorithm and care pathway: Clinical guidelines and healthcare processes. *Lecture Notes in Computer Science*, 1211:66–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zupan:1997:AVB

- [412] B. Zupan and S. Dzeroski. Acquiring and validating background knowledge for machine learning using function decomposition. *Lecture Notes in Computer Science*, 1211:86–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dzeroski:1997:ARE

- [413] S. Dzeroski, G. Potamias, V. Moustakis, and G. Charissis. Automated revision of expert rules for treating acute abdominal pain in children. *Lecture Notes in Computer Science*, 1211:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DuPlessis:1997:KAD

- [414] J. P. Du Plessis and C. J. Tolmie. Knowledge acquisition by the domain expert using the tool HEMATOOL. *Lecture Notes in Computer Science*, 1211:122–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zelic:1997:MLA

- [415] I. Zelic, I. Kononenko, N. Lavrac, and V. Vuga. Machine learning applied to diagnosis of sport injuries. *Lecture*

Notes in Computer Science, 1211:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cremilleux:1997:TFD

- [416] B. Cremilleux and C. Robert. A theoretical framework for decision trees in uncertain domains: Application to medical data sets. *Lecture Notes in Computer Science*, 1211:145–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bologna:1997:IAC

- [417] G. Bologna, A. Rida, and C. Pellegrini. Intelligent assistance for coronary heart disease diagnosis: A comparison study. *Lecture Notes in Computer Science*, 1211:199–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geissbuehler:1997:CSD

- [418] A. Geissbuehler, R. A. Miller, and W. W. Stead. The clinical spectrum of decision-support in oncology with a case report of a real world system. *Lecture Notes in Computer Science*, 1211:235–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaulent:1997:CBR

- [419] M.-C. Jaulent, C. Le Bozec, E. Zapletal, and P. Degoulet. A case-based reasoning method for computer-assisted diagnosis in histopathology. *Lecture Notes in Computer Science*, 1211:239–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cruz:1997:CFM

- [420] J. Cruz and P. Barahona. A causal-functional model applied to EMG diagnosis. *Lecture Notes in Computer Science*, 1211:249–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zahlmann:1997:NFC

- [421] G. Zahlmann, M. Scherf, and A. Wegner. A neuro-fuzzy-classifier for a knowledge-based glaucoma monitor. *Lecture Notes in Computer Science*, 1211:273–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hauskrecht:1997:DDM

- [422] M. Hauskrecht. Dynamic decision making in stochastic partially observable medical domains: Ischemic heart disease example. *Lecture Notes in Computer Science*, 1211:296–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ziebelin:1997:MPE

- [423] D. Ziebelin and A. Vila. Metrical planning environment. *Lecture Notes in Computer Science*, 1211:343–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRosis:1997:SAM

- [424] F. De Rosis, F. Grasso, and D. C. Berry. Strengthening argumentation in medical explanations by text plan revision. *Lecture Notes in Computer Science*, 1211:349–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1997:MCS

- [425] J. C. Wagner, C. Lovis, R. H. Baud, and J.-R. Scherrer. Medical concept systems, lexicons and natural language generation. *Lecture Notes in Computer Science*, 1211:398–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bianchi:1997:DPC

- [426] N. Bianchi, P. Bottoni, C. Garbay, and P. Mussio. Distributed plan construction and execution for medical image interpretation. *Lecture Notes in Computer Science*, 1211:405–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Draye:1997:IIH

- [427] J.-P. Draye, G. Cheron, D. Pavisic, and G. Libert. Improved identification of the human shoulder kinematics with muscle biological filters. *Lecture Notes in Computer Science*, 1211:417–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boucher:1997:SGO

- [428] A. Boucher, A. Doisy, X. Ronot, and C. Garbay. A society of goal-oriented agents for the analysis of living cells. *Lecture Notes in Computer Science*, 1211:429–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gibaud:1997:MDD

- [429] B. Gibaud, S. Garlatti, C. Barillot, and E. Faure. Methodology for the design of digital brain atlases. *Lecture Notes in Computer Science*, 1211:441–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bull:1997:CBR

Cosic:1997:RBL

- [430] D. Cosic and S. Loncaric. Rule-based labeling of CT head image. *Lecture Notes in Computer Science*, 1211:453–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derr:1997:CTT

- [431] T. Derr, T. Els, M. Gyngell, and D. Leibfritz. Characterisation of tumorous tissue in rat brain by in vitro magnetic resonance spectroscopy and artificial neural networks. *Lecture Notes in Computer Science*, 1211:457–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christodoulou:1997:MLL

- [432] E. Christodoulou and E. T. Keravnou. Meta-level learning in a hybrid knowledge-based architecture. *Lecture Notes in Computer Science*, 1211:467–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bellazzi:1997:LDT

- [433] R. Bellazzi, L. Ironi, R. Guglielmann, and M. Stefanelli. Learning from data through the integration of qualitative models and fuzzy systems. *Lecture Notes in Computer Science*, 1211:501–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [434] M. Bull, G. Kundt, and L. Gierl. Case-based reasoning and statistics for discovering and forecasting of epidemics. *Lecture Notes in Computer Science*, 1211:513–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heitmeyer:1997:FMP

- [435] C. L. Heitmeyer. Formal methods: A panacea or academic poppycock? *Lecture Notes in Computer Science*, 1212:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hewitt:1997:EPA

- [436] M. A. Hewitt, C. M. O’Halloran, and C. T. Sennett. Experiences with PiZA, an animator for Z. *Lecture Notes in Computer Science*, 1212:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Helke:1997:ATC

- [437] S. Helke, T. Neustupny, and T. Santen. Automating test case generation from Z specifications with Isabelle. *Lecture Notes in Computer Science*, 1212:52–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hall:1997:TZS

- [438] J. A. Hall. Taking Z seriously. *Lecture Notes in Computer Science*, 1212:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Achatz:1997:FOM

- [439] K. Achatz and W. Schulte. A formal OO method inspired by fusion and object-Z. *Lecture Notes in Computer Science*, 1212:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hall:1997:WR

- [440] J. Hall and A. Martin. W reconstructed. *Lecture Notes in Computer Science*, 1212:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boerger:1997:PMR

- [441] E. Boerger and S. Mazzanti. A practical method for rigorously controllable hardware design. *Lecture Notes in Computer Science*, 1212:151–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Butler:1997:ADD

- [442] M. Butler. An approach to the design of distributed systems with B AMN. *Lecture Notes in Computer Science*, 1212:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evans:1997:IRS

- [443] A. S. Evans. An improved recipe for specifying reactive systems in Z. *Lecture Notes in Computer Science*, 1212:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DInverno:1997:ZSS

- [444] M. D’Inverno and M. Hu. A Z specification of the soft-link hypertext

model. *Lecture Notes in Computer Science*, 1212:297–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jacky:1997:EZD

- [445] J. Jacky, J. Unger, M. Patrick, and D. Reid. Experience with Z developing a control program for a radiation therapy machine. *Lecture Notes in Computer Science*, 1212:317–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciancarini:1997:ARA

- [446] P. Ciancarini and C. Mascolo. Analyzing and refining an architectural style. *Lecture Notes in Computer Science*, 1212:349–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derrick:1997:WRZ

- [447] J. Derrick, E. Boiten, H. Bowman, and M. Steen. Weak refinement in Z. *Lecture Notes in Computer Science*, 1212:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bowen:1997:SZB

- [448] J. P. Bowen. Select Z bibliography. *Lecture Notes in Computer Science*, 1212:391–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bowen:1997:CSZ

- [449] J. P. Bowen. Comp.specification.z and Z FORUM frequently asked questions. *Lecture Notes in Computer Science*, 1212:425–??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davis:1997:CFO

- [450] M. W. Davis. Complexity formalisms, order and disorder in the structure of art. *Lecture Notes in Computer Science*, 1213:3-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Imada:1997:SRV

- [451] A. Imada and K. Araki. Searching real-valued synaptic weights of Hopfield's associative memory using evolutionary programming. *Lecture Notes in Computer Science*, 1213:13-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fogel:1997:AEC

- [452] G. B. Fogel. The application of evolutionary computation to selected problems in molecular biology. *Lecture Notes in Computer Science*, 1213:23-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clack:1997:PEG

- [453] C. Clack and T. Yu. Performance-enhanced genetic programming. *Lecture Notes in Computer Science*, 1213:87-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Angeline:1997:CSC

- [454] P. J. Angeline. Comparing subtree crossover with macromutation. *Lecture Notes in Computer Science*, 1213:101-??, 1997. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Chen:1997:MSG

- [455] S.-H. Chen and C.-H. Yeh. Modeling speculators with genetic programming. *Lecture Notes in Computer Science*, 1213:137-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1997:FES

- [456] X. Yao and Y. Liu. Fast evolution strategies. *Lecture Notes in Computer Science*, 1213:151-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delahaye:1997:ACS

- [457] D. Delahaye and A. R. Odoni. Airspace congestion smoothing by stochastic optimization. *Lecture Notes in Computer Science*, 1213:163-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dozier:1997:SSD

- [458] G. Dozier, J. Bowen, A. Homaifar, and A. Esterline. Solving static and dynamic fuzzy constraint networks using evolutionary hill-climbing. *Lecture Notes in Computer Science*, 1213:189-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:AFC

- [459] J.-M. Yang, Y.-P. Chen, J.-T. Horng, and C.-Y. Kao. Applying family competition to evolution strategies for constrained optimization. *Lecture Notes in Computer Science*, 1213:201-??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hadad:1997:SPG

- [460] B. S. Hadad and C. F. Eick. Supporting polyploidy in genetic algorithms using dominance vectors. *Lecture Notes in Computer Science*, 1213:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beyer:1997:NEP

- [461] H.-G. Beyer and D. B. Fogel. A note on the escape probabilities for two alternative methods of selection under Gaussian mutation. *Lecture Notes in Computer Science*, 1213:265–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

English:1997:SGA

- [462] T. M. English. Some geometric and algebraic results on crossover. *Lecture Notes in Computer Science*, 1213:285–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1997:AEA

- [463] X. Yao, G. Lin, and Y. Liu. An analysis of evolutionary algorithms based on neighborhood and step sizes. *Lecture Notes in Computer Science*, 1213:297–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Angeline:1997:TED

- [464] P. J. Angeline. Tracking extrema in dynamic environments. *Lecture Notes in Computer Science*, 1213:335–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chellapilla:1997:ESA

- [465] K. Chellapilla and D. B. Fogel. Exploring self-adaptive methods to improve the efficiency of generating approximate solutions to traveling salesman problems using evolutionary programming. *Lecture Notes in Computer Science*, 1213:361–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chellapilla:1997:GIE

- [466] K. Chellapilla, D. B. Fogel, and S. S. Rao. Gaining insight into evolutionary programming through landscape visualization: An investigation into IIR filtering. *Lecture Notes in Computer Science*, 1213:407–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boehm:1997:TCS

- [467] C. Boehm. Theoretical computer science and software science: The past, the present and the future. *Lecture Notes in Computer Science*, 1214:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrig:1997:FTT

- [468] H. Ehrig and B. Mahr. Future trends of TAPSOFT. *Lecture Notes in Computer Science*, 1214:6–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouhoula:1997:SPM

- [469] A. Bouhoula, J.-P. Jouannaud, and J. Meseguer. Specification and proof in membership equational logic. *Lecture Notes in Computer Science*, 1214:67–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Astesiano:1997:FM

- [470] E. Astesiano and G. Reggio. Formalism and method. *Lecture Notes in Computer Science*, 1214:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamada:1997:LCR

- [471] T. Yamada, J. Avenhaus, C. Loria-Saenz, and A. Middeldorp. Logicality of conditional rewrite systems. *Lecture Notes in Computer Science*, 1214:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biermann:1997:RGC

- [472] I. Biermann and B. Rozoy. Reliable generalized and context dependent commutation relations. *Lecture Notes in Computer Science*, 1214:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andre:1997:WTT

- [473] Y. Andre and F. Bossut. Word-intotrees transducers with bounded difference. *Lecture Notes in Computer Science*, 1214:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Emerson:1997:GQT

- [474] E. A. Emerson and R. J. Trefler. Generalized quantitative temporal reasoning: An automata-theoretic approach. *Lecture Notes in Computer Science*, 1214:189–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beauquier:1997:RCP

- [475] D. Beauquier and A. Slissenko. The railroad crossing problem: Towards semantics of timed algorithms and their model-checking in high-level languages. *Lecture Notes in Computer Science*, 1214:201–212, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ilie:1997:MCT

- [476] J. M. Ilie and K. Ajami. Model checking through symbolic reachability graph. *Lecture Notes in Computer Science*, 1214:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goubault:1997:OIW

- [477] E. Goubault. Optimal implementation of wait-free binary relations. *Lecture Notes in Computer Science*, 1214:225–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geser:1997:RUTa

- [478] A. Geser, A. Middeldorp, E. Ohlebush, and H. Zantema. Relative undecidability in the termination hierarchy of single rewrite rules. *Lecture Notes in Computer Science*, 1214:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Genet:1997:TPU

- [479] T. Genet and I. Gnaedig. Termination proofs using gpo ordering constraints. *Lecture Notes in Computer Science*, 1214:249–??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arts:1997:APT

- [480] T. Arts and J. Giesl. Automatically proving termination where simplification orderings fail. *Lecture Notes in Computer Science*, 1214:261–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldamus:1997:MCW

- [481] M. Baldamus and J. Dingel. Modal characterization of weak bisimulation for higher-order processes. *Lecture Notes in Computer Science*, 1214:285–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amaniss:1997:SOR

- [482] A. Amaniss, M. Hermann, and D. Lugiez. Set operations for recurrent term schematizations. *Lecture Notes in Computer Science*, 1214:333–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arenas-Sanchez:1997:SFF

- [483] P. Arenas-Sanchez and M. Rodriguez-Artalejo. A semantic framework for functional logic programming with algebraic polymorphic types. *Lecture Notes in Computer Science*, 1214:453–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bono:1997:SCI

- [484] V. Bono, M. Bugliesi, M. Dezani-Ciancaglini, and L. Liquori. Subtyping constraints for incomplete objects. *Lecture Notes in Computer Science*, 1214:465–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

ence, 1214:465–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alessi:1997:PSS

- [485] F. Alessi, P. Baldan, and F. Honsell. Partializing Stone spaces using SFP domains. *Lecture Notes in Computer Science*, 1214:478–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fiadeiro:1997:SAC

- [486] J. L. Fiadeiro and A. Lopes. Semantics of architectural connectors. *Lecture Notes in Computer Science*, 1214:505–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andersen:1997:CMV

- [487] H. R. Andersen, J. Staunstrup, and N. Maretti. A comparison of modular verification techniques. *Lecture Notes in Computer Science*, 1214:550–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Volpano:1997:TBA

- [488] D. Volpano and G. Smith. A type-based approach to program security. *Lecture Notes in Computer Science*, 1214:607–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Courant:1997:AMC

- [489] J. Courant. An applicative module calculus. *Lecture Notes in Computer Science*, 1214:622–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iyer:1997:PLC

- [490] P. Iyer and M. Narasimha. Probabilistic lossy channel systems. *Lecture Notes in Computer Science*, 1214:667–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abadi:1997:LOO

- [491] M. Abadi and K. R. M. Leino. A logic of object-oriented programs. *Lecture Notes in Computer Science*, 1214:682–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeNicola:1997:LBL

- [492] R. De Nicola, G. Ferrari, and R. Pugliese. Locality based Linda: Programming with explicit localities. *Lecture Notes in Computer Science*, 1214:712–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wells:1997:TIL

- [493] J. B. Wells, A. Dimock, R. Muller, and F. Turbak. A typed intermediate language for flow-directed compilation. *Lecture Notes in Computer Science*, 1214:757–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jacobs:1997:BRC

- [494] B. Jacobs. Behaviour-refinement of coalgebraic specifications with coinductive correctness proofs. *Lecture Notes in Computer Science*, 1214:787–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonnier:1997:CCA

- [495] S. Bonnier and T. Heyer. COMPASS: A comprehensible assertion method. *Lecture Notes in Computer Science*, 1214:803–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heisel:1997:ULP

- [496] M. Heisel and N. Levy. Using LOTOS patterns to characterize architectural styles. *Lecture Notes in Computer Science*, 1214:818–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Donat:1997:AFS

- [497] M. R. Donat. Automating formal specification-based testing. *Lecture Notes in Computer Science*, 1214:833–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VonHenke:1997:TEM

- [498] F. W. Von Henke, M. Luther, and M. Strecker. Typelab: An environment for modular program development. *Lecture Notes in Computer Science*, 1214:851–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Didrich:1997:DDT

- [499] K. Didrich and T. Klein. DOS-FOP — A documentation tool for the algebraic programming language Opal. *Lecture Notes in Computer Science*, 1214:875–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caron:1997:ASM

- [500] P. Caron. AG: A set of Maple packages for symbolic computing of automata and semigroups. *Lecture Notes in Computer Science*, 1214:879–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Falcao:1997:HPC

- [501] D. M. Falcao. High performance computing in power system applications. *Lecture Notes in Computer Science*, 1215:1–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dongarra:1997:PAH

- [502] J. Dongarra, S. Browne, and H. Casanova. Providing access to high performance computing technologies. *Lecture Notes in Computer Science*, 1215:24–34, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coltuc:1997:SDA

- [503] D. Coltuc and J.-M. Becker. Scandirectional architectures. *Lecture Notes in Computer Science*, 1215:35–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dekeyser:1997:IDP

- [504] J.-L. Dekeyser, B. Kokoszko, J.-L. Levaire, and P. Marquet. Irregular data-parallel objects in C++. *Lecture Notes in Computer Science*, 1215:65–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alves:1997:PVP

- [505] J. C. Alves, A. Puga, L. Corte-Real, and J. S. Matos. ProHos-1: A vector processor for the efficient estimation of higher-order moments. *Lecture Notes in Computer Science*, 1215:96–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dayde:1997:UCK

- [506] M. J. Dayde and I. S. Duff. The use of computational kernels in full and sparse linear solvers, efficient code design on high-performance RISC processors. *Lecture Notes in Computer Science*, 1215:108–139, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Domas:1997:PIS

- [507] S. Domas and F. Tisseur. Parallel implementation of a symmetric eigensolver based on the Yau and Lu method. *Lecture Notes in Computer Science*, 1215:140–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aliaga:1997:PIG

- [508] J. I. Aliaga, V. Hernandez, and J. L. Perez. A parallel implementation of the general Lanczos method on the Cray T3D. *Lecture Notes in Computer Science*, 1215:168–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coelho:1997:PDO

- [509] P. J. Coelho, J. Goncalves, and P. Novo. Parallelization of the discrete-ordinates method: Two different approaches. *Lecture Notes in Computer*

Science, 1215:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carvalho:1997:PCC

- [510] L. M. R. Carvalho and J. M. L. M. Palma. Parallelization of a CFD code using PVM and domain decomposition techniques. *Lecture Notes in Computer Science*, 1215:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiasDAlmeida:1997:PNL

- [511] F. Dias D’Almeida and P. B. Vasconcelos. Preconditioners for non-symmetric linear systems in domain decomposition applied to a coupled discretization of Navier–Stokes equations. *Lecture Notes in Computer Science*, 1215:295–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calonge:1997:PIN

- [512] T. Calonge, L. Alonso, R. Ralha, and A. L. Sanchez. Parallel implementation of non-recurrent neural networks. *Lecture Notes in Computer Science*, 1215:313–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hernandez:1997:SLC

- [513] V. Hernandez and E. S. Quintana-Orti. Stabilizing large control linear systems on multicomputers. *Lecture Notes in Computer Science*, 1215:338–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernandez:1997:IBT

- [514] J. C. Fernandez, L. Peñalver, M. Sobejano, and J. Martinez. An interface based on transputers to simulate the dynamic equation of robot manipulators using parallel computing. *Lecture Notes in Computer Science*, 1215:365–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heras:1997:PCA

- [515] D. B. Heras, J. C. Cabaleiro, V. Blanco, and P. Costas. Principal component analysis on vector computers. *Lecture Notes in Computer Science*, 1215:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dix:1997:PLP

- [516] J. Dix, L. M. Peteira, and T. Przytusinski. Prolegomena to logic programming for non-monotonic reasoning. *Lecture Notes in Computer Science*, 1216:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bochman:1997:LSG

- [517] A. Bochman. On logics and semantics for general logic programs. *Lecture Notes in Computer Science*, 1216:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:NRM

- [518] X. Wang, J.-H. You, and L.-Y. Yuan. Nonmonotonic reasoning by monotonic inferences + priority constraints. *Lecture Notes in Computer Science*, 1216:

91-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alferes:1997:UPC

- [519] J. J. Alferes and L. M. Pereira. Update-programs can update programs. *Lecture Notes in Computer Science*, 1216:110-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldoni:1997:APR

- [520] M. Baldoni, L. Giordano, A. Martelli, and V. Patti. An abductive procedure for reasoning about actions in modal LP. *Lecture Notes in Computer Science*, 1216:132-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bidoit:1997:URP

- [521] N. Bidoit and S. Maabout. Update rule programs versus revision programs. *Lecture Notes in Computer Science*, 1216:151-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brass:1997:TBB

- [522] S. Brass, S. Zukowski, and H. Freitag. Transformation-based bottom-up computation of the well-founded model. *Lecture Notes in Computer Science*, 1216:171-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dix:1997:CNG

- [523] J. Dix and F. Stolzenburg. Computation of non-ground disjunctive well-founded semantics with constraint logic programming. *Lecture Notes in*

Computer Science, 1216:202-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berry:1997:HSS

- [524] G. Berry. Hardware and software synthesis, optimization, and verification from Esterel programs. *Lecture Notes in Computer Science*, 1217:1-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drechsler:1997:MAK

- [525] R. Drechsler, B. Becker, and S. Rupertz. Manipulation algorithms for K0*BMDs. *Lecture Notes in Computer Science*, 1217:4-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Emerson:1997:CPO

- [526] E. A. Emerson, S. Jha, and D. Peled. Combining partial order and symmetry reductions. *Lecture Notes in Computer Science*, 1217:19-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andersen:1997:PMC

- [527] H. R. Andersen, J. Staunstrup, and N. Maretti. Partial model checking with ROBDDs. *Lecture Notes in Computer Science*, 1217:35-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grahmann:1997:RCP

- [528] B. Grahmann. The reference component of PEP. *Lecture Notes in Computer Science*, 1217:65-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boulton:1997:TSF

- [529] R. J. Boulton. A tool to support formal reasoning about computer languages. *Lecture Notes in Computer Science*, 1217:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VonderBeeck:1997:GMU

- [530] M. Von der Beeck, V. Braun, A. Classen, and A. Dannecker. Graphs in METAFame: The unifying power of polymorphism. *Lecture Notes in Computer Science*, 1217:112–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kelb:1997:MFT

- [531] P. Kelb, T. Margaria, M. Mendler, and C. Gsottberger. MOSEL: A flexible toolset for monadic second-order logic. *Lecture Notes in Computer Science*, 1217:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jensen:1997:BIC

- [532] K. Jensen. A brief introduction to coloured Petri nets. *Lecture Notes in Computer Science*, 1217:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christensen:1997:DCC

- [533] S. Christensen, J. B. Joergensen, and L. M. Kristensen. Design/CPN — A computer tool for coloured Petri nets. *Lecture Notes in Computer Science*, 1217:209–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ben-Abdallah:1997:SDP

- [534] H. Ben-Abdallah and S. Leue. Syntactic detection of process divergence and non-local choice in message sequence charts. *Lecture Notes in Computer Science*, 1217:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferrari:1997:ABV

- [535] G. Ferrari, G. Ferro, S. Gnesi, and U. Montanari. An automata based verification environment for mobile processes. *Lecture Notes in Computer Science*, 1217:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boigelot:1997:ASS

- [536] B. Boigelot and P. Godefroid. Automatic synthesis of specifications from the dynamic observation of reactive programs. *Lecture Notes in Computer Science*, 1217:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeAlfaro:1997:VVR

- [537] L. De Alfaro, Z. Manna, H. B. Sipma, and T. E. Uribe. Visual verification of reactive systems. *Lecture Notes in Computer Science*, 1217:334–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engels:1997:TGI

- [538] A. Engels, L. Feijs, and S. Mauw. Test generation for intelligent networks using model checking. *Lecture Notes in Computer Science*, 1217:384–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DArgenio:1997:BRP

- [539] P. R. D'Argenio, J.-P. Katoen, T. C. Ruys, and J. Tretmans. The bounded retransmission protocol must be on time! *Lecture Notes in Computer Science*, 1217:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bordihn:1997:GAL

- [540] H. Bordihn. A grammatical approach to the LBA problem. *Lecture Notes in Computer Science*, 1218:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernau:1997:CCF

- [541] H. Fernau and M. Holzer. Conditional context-free languages of finite index. *Lecture Notes in Computer Science*, 1218:10–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asveld:1997:CFP

- [542] P. R. J. Asveld. Controlled fuzzy parallel rewriting. *Lecture Notes in Computer Science*, 1218:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bottoni:1997:CRP

- [543] P. Bottoni, G. Mauri, and P. Musio. On controlling rewriting by properties of strings and symbols. *Lecture Notes in Computer Science*, 1218:71–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fernau:1997:AAG

- [544] H. Fernau and R. Freund. Accepting array grammars with control mechanisms. *Lecture Notes in Computer Science*, 1218:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jancar:1997:RAR

- [545] P. Jancar, F. Mraz, M. Platek, and J. Vogel. On restarting automata with rewriting. *Lecture Notes in Computer Science*, 1218:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balanescu:1997:GSC

- [546] T. Balanescu, H. Georgescu, and M. Gheorghe. Grammar systems with counting derivation and dynamical priorities. *Lecture Notes in Computer Science*, 1218:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dumitrescu:1997:CRU

- [547] S. Dumitrescu. Characterization of RE using CD grammar systems with two registers and RL rules. *Lecture Notes in Computer Science*, 1218:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waetjen:1997:CDU

- [548] O. Waetjen. On cooperating distributed uniformly limited L systems. *Lecture Notes in Computer Science*, 1218:178–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amin:1997:NIE

- [549] M. Amin. A note on the incomparability of the EOL family with certain families of languages generated by cooperating grammar systems. *Lecture Notes in Computer Science*, 1218:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kelemen:1997:CMR

- [550] J. Kelemen. Colonies as models of reactive systems. *Lecture Notes in Computer Science*, 1218:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abrahamson:1997:GCL

- [551] K. Abrahamson, L. Cai, and S. Gordon. A grammar characterization of logarithmic-space computation. *Lecture Notes in Computer Science*, 1218:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruda:1997:CCC

- [552] S. Bruda. On the computational complexity of context-free parallel communicating grammar systems. *Lecture Notes in Computer Science*, 1218:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chitu:1997:PGS

- [553] A. Chitu. PC grammar systems versus some non-context-free constructions from natural and artificial languages. *Lecture Notes in Computer Science*, 1218:278–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jimenez-Lopez:1997:GSD

- [554] M. D. Jimenez-Lopez and C. Martin-Vide. Grammar systems for the description of certain natural language facts. *Lecture Notes in Computer Science*, 1218:288–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Csuhaj-Varju:1997:NPL

- [555] E. Csuhaj-Varju and A. Salomaa. Networks of parallel language processors. *Lecture Notes in Computer Science*, 1218:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zandron:1997:RDS

- [556] C. Zandron, C. Ferretti, and G. Mauri. A reduced distributed splicing system for RE languages. *Lecture Notes in Computer Science*, 1218:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Georgescu:1997:GCS

- [557] G. Georgescu. On the generative capacity of splicing grammar systems. *Lecture Notes in Computer Science*, 1218:330–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1997:TLB

- [558] J. Hromkovic and J. Karhumaeki. Two lower bounds on computational complexity of infinite words. *Lecture Notes in Computer Science*, 1218:366–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cazanescu:1997:SBM

- [559] V. E. Cazanescu. The structure of the basic morphisms. *Lecture Notes in Computer Science*, 1218:422–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holzer:1997:CII

- [560] M. Holzer and K.-J. Lange. On the complexity of iterated insertions. *Lecture Notes in Computer Science*, 1218:440–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ilie:1997:DGC

- [561] L. Ilie. The decidability of the generalized confluence problem for context-free languages. *Lecture Notes in Computer Science*, 1218:454–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldi:1997:ECM

- [562] M. Baldi, S. Gai, and G. Picco. Exploiting code mobility in decentralized and flexible network management. *Lecture Notes in Computer Science*, 1219:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghezzi:1997:MCP

- [563] C. Ghezzi and G. Vigna. Mobile code paradigms and technologies. *Lecture Notes in Computer Science*, 1219:39–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wong:1997:CIC

- [564] D. Wong, N. Paciorek, T. Walsh, and J. DiCelie. Concordia: An infrastructure for collaborating mobile agents. *Lecture Notes in Computer Science*, 1219:86–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chang:1997:OMA

- [565] D. Chang and S. Covaci. The OMG mobile agent facility: A submission. *Lecture Notes in Computer Science*, 1219:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hurst:1997:MAS

- [566] L. Hurst, P. Cunningham, and F. Somers. Mobile agents — smart messages. *Lecture Notes in Computer Science*, 1219:111–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baumann:1997:CCM

- [567] J. Baumann, F. Hohl, N. Radouniklis, and K. Rothermel. Communication concepts for mobile agent systems. *Lecture Notes in Computer Science*, 1219:123–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Doemel:1997:MAI

- [568] P. Doemel, A. Lingnau, and O. Drobnik. Mobile agent interaction in heterogeneous environments. *Lecture Notes in Computer Science*, 1219:136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chia:1997:SMA

- [569] T. Chia and S. Kannapan. Strategically mobile agents. *Lecture Notes in Computer Science*, 1219:149–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:NMA

- [570] W. E. Chen and C. R. Leng. A novel mobile agent search algorithm. *Lecture Notes in Computer Science*, 1219:162–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Williams:1997:TAI

- [571] M. Williams and A. Bendiab. A toolset for architecture independent, reconfigurable, multi-agent systems. *Lecture Notes in Computer Science*, 1219:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brezany:1997:IOI

- [572] Peter Brezany. Input/output intensive massively parallel computing: Language support, automatic parallelization, advanced optimization, and runtime systems. *Lecture Notes in Computer Science*, 1220:vi + 288, 1997. CODEN LNCSD9. ISBN 3-540-62840-1. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davidsson:1997:LLA

- [573] P. Davidsson. Learning by linear anticipation in multi-agent systems. *Lecture Notes in Computer Science*, 1221:62–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ye:1997:COS

- [574] Y. Ye and J. K. Tsotsos. On the collaborative object search team: A formulation. *Lecture Notes in Computer Science*, 1221:94–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

CetertickBazzan:1997:ECM

- [575] A. L. Cetertick Bazzan. Evolution of coordination as a metaphor for learning in multi-agent systems. *Lecture Notes in Computer Science*, 1221:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dragoni:1997:LAR

- [576] A. F. Dragoni and P. Giorgini. Learning agents' reliability through Bayesian conditioning: A simulation experiment. *Lecture Notes in Computer Science*, 1221:151–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Davies:1997:CII

- [577] W. Davies and P. Edwards. The communication of inductive inferences. *Lecture Notes in Computer Science*, 1221:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Friedrich:1997:LCM

- [578] H. Friedrich, M. Kaiser, O. Rogalla, and R. Dillmann. Learning and communication in multi-agent systems. *Lecture Notes in Computer Science*, 1221:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cardelli:1997:MC

- [579] L. Cardelli. Mobile computation. *Lecture Notes in Computer Science*, 1222: 3–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chess:1997:MAT

- [580] D. Chess, C. Harrison, and A. Kershbaum. Mobile agents: Are they a good idea? *Lecture Notes in Computer Science*, 1222:25–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waldo:1997:NDC

- [581] J. Waldo, G. Wyant, A. Wollrath, and S. Kendall. A note on distributed computing. *Lecture Notes in Computer Science*, 1222:49–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cugola:1997:AMC

- [582] G. Cugola, C. Ghezzi, G. P. Picco, and G. Vigna. Analyzing mobile code languages. *Lecture Notes in Computer Science*, 1222:93–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Acharya:1997:SLR

- [583] A. Acharya, M. Ranganathan, and J. Saltz. Sumatra: A language for resource-aware mobile programs. *Lecture Notes in Computer Science*, 1222: 111–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bharat:1997:MA

- [584] K. Bharat and L. Cardelli. Migratory applications. *Lecture Notes in Computer Science*, 1222:131–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kato:1997:SSE

- [585] K. Kato. Safe and secure execution mechanisms for mobile objects. *Lecture Notes in Computer Science*, 1222: 201–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciancarini:1997:JCC

- [586] P. Ciancarini and D. Rossi. Jada — coordination and communication for Java agents. *Lecture Notes in Computer Science*, 1222:213–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Acharya:1997:DLM

- [587] A. Acharya and J. Saltz. Dynamic linking for mobile programs. *Lecture Notes in Computer Science*, 1222:245–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franz:1997:ACS

- [588] M. Franz. Adaptive compression of syntax trees and iterative dynamic code optimization: Two basic technologies for mobile object systems. *Lecture Notes in Computer Science*, 1222:263–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duggan:1997:TBI

- [589] D. Duggan. A type-based implementation of a language with distributed scope. *Lecture Notes in Computer Science*, 1222:277–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Doemel:1997:IJT

- [590] P. Doemel. Interaction of Java and Telescript agents. *Lecture Notes in Computer Science*, 1222:295–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Figueiredo:1997:APD

- [591] M. A. T. Figueiredo, J. M. N. Leitao, and A. K. Jain. Adaptive parametrically deformable contours. *Lecture Notes in Computer Science*, 1223:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:ISE

- [592] J.-P. Wang. Image segmentation via energy minimization on partitions with connected components. *Lecture Notes in Computer Science*, 1223:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Descombes:1997:MLE

- [593] X. Descombes, R. Morris, J. Zerubia, and M. Berthod. Maximum likelihood estimation of Markov random field parameters using Markov chain Monte Carlo algorithms. *Lecture Notes in Computer Science*, 1223:133–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barker:1997:UIS

- [594] S. A. Barker and P. J. W. Rayner. Unsupervised image segmentation using Markov random field models. *Lecture Notes in Computer Science*, 1223:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuille:1997:TQF

- [595] A. L. Yuille and J. Coughlan. Twenty questions, focus of attention, and A0*: A theoretical comparison of optimization strategies. *Lecture Notes in Computer Science*, 1223:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofmann:1997:DAU

- [596] T. Hofmann, J. Puzicha, and J. M. Buhmann. Deterministic annealing for unsupervised texture segmentation. *Lecture Notes in Computer Science*, 1223:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Williams:1997:DSS

- [597] M. L. Williams, R. C. Wilson, and E. R. Hancock. Deterministic search strategies for relational graph matching. *Lecture Notes in Computer Science*, 1223:261–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhong:1997:OLU

- [598] Y. Zhong and A. K. Jain. Object localization using color, texture and shape. *Lecture Notes in Computer Science*, 1223:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hornegger:1997:OPS

- [599] J. Hornegger and H. Niemann. Optimization problems in statistical object recognition. *Lecture Notes in Computer Science*, 1223:311–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhandarkar:1997:FGS

- [600] S. M. Bhandarkar and X. Zeng. Figure-ground separation: A case study in energy minimization via evolutionary computing. *Lecture Notes in Computer Science*, 1223:375–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gelgon:1997:RLM

- [601] M. Gelgon and P. Bouthemy. A region-level motion-based graph representation and labelling for tracking a spatial image partition. *Lecture Notes in Computer Science*, 1223:409–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finch:1997:EMA

- [602] A. M. Finch, R. C. Wilson, and E. R. Hancock. An expectation-maximisation approach to graph matching. *Lecture Notes in Computer Science*, 1223:425–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Azencott:1997:EMM

- [603] R. Azencott and L. Younes. An energy minimization method for matching and comparing structured object representations. *Lecture Notes in Computer Science*, 1223:441–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fua:1997:CMT

- [604] P. Fua. Consistent modelling of terrain and drainage using deformable models. *Lecture Notes in Computer Science*, 1223:459–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glasbey:1997:SIR

- [605] C. A. Glasbey. SAR image registration and segmentation using an estimated DEM. *Lecture Notes in Computer Science*, 1223:507–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Escolano:1997:DTT

- [606] F. Escolano, M. Cazorla, D. Gallardo, and R. Rizo. Deformable templates for tracking and analysis of intravascular ultrasound sequences. *Lecture Notes in Computer Science*, 1223:521–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branca:1997:MCT

- [607] A. Branca, E. Stella, and A. Distanto. Motion correspondence through energy minimization. *Lecture Notes in Computer Science*, 1223:535–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Armengol:1997:IFT

- [608] E. Armengol and E. Plaza. Induction of feature terms with INDIE. *Lecture Notes in Computer Science*, 1224:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baroglio:1997:EQK

- [609] C. Baroglio. Exploiting qualitative knowledge to enhance skill acquisition. *Lecture Notes in Computer Science*, 1224:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cichosz:1997:ILP

- [610] P. Cichosz. Integrated learning and planning based on truncating temporal differences. *Lecture Notes in Computer Science*, 1224:57–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRaedt:1997:ATS

- [611] L. De Raedt, P. Idestam-Almquist, and G. Sablon. aitch theta-subsumption for structural matching. *Lecture Notes in Computer Science*, 1224:73–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Demiroez:1997:CVF

- [612] G. Demiroez and H. Altay Guevenir. Classification by voting feature intervals. *Lecture Notes in Computer Science*, 1224:85–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Demsar:1997:CIC

- [613] J. Demsar, B. Zupan, M. Bohanec, and I. Bratko. Constructing intermediate concepts by decomposition of real functions. *Lecture Notes in Computer Science*, 1224:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gamberger:1997:COR

- [614] D. Gamberger and N. Lavrac. Conditions for Occam’s razor applicability and noise elimination. *Lecture Notes in Computer Science*, 1224:108–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hu:1997:LDT

- [615] Y.-J Hu. Learning different types of new attributes by combining the neural network and iterative attribute construction. *Lecture Notes in Computer Science*, 1224:124–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hutchinson:1997:MTC

- [616] A. Hutchinson. Metrics on terms and clauses. *Lecture Notes in Computer Science*, 1224:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ting:1997:MCM

- [617] Kai Ming Ting and Boon Toh Low. Model combination in the multiple-data-batches scenario. *Lecture Notes in Computer Science*, 1224:250–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aha:1997:CBL

- [618] D. W. Aha and D. Wettschereck. Case-based learning: Beyond classification of feature vectors. *Lecture Notes in Computer Science*, 1224:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daelemans:1997:ELN

- [619] W. Daelemans, A. Van den Bosch, and T. Weijters. Empirical learning of natural language processing tasks. *Lecture Notes in Computer Science*, 1224:337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaiser:1997:HAI

- [620] M. Kaiser, V. Klingspor, and H. Friedrich. Human-agent interaction and machine learning. *Lecture Notes in Computer Science*, 1224:345–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Falessi:1997:HHP

- [621] R. Falessi, M. P. Pensini, G. Rovigatti, and S. Taraglio. HIPERCLASS: High performance industrial inspection and defect classification in steel industry. *Lecture Notes in Computer Science*, 1225:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferri:1997:PPI

- [622] C. Ferri, P. Contri, P. Salvaneschi, and G. Meloni. PIERS: A parallel integrated environment for reliability evaluation of structures. *Lecture Notes in Computer Science*, 1225:31–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoekstra:1997:HPD

- [623] A. G. Hoekstra, L. Dorst, M. Bergman, and J. Lagerberg. High performance discrete event simulations to evaluate complex industrial systems. *Lecture*

Notes in Computer Science, 1225:41–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baldini:1997:HPI

- [624] S. Baldini, L. Giraud, L. Hamel, and J. M. Jimenez. HIPERCOMBATS: A parallel industrial tool for two-wheeler suspensions design. *Lecture Notes in Computer Science*, 1225:51–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jezequel:1997:USD

- [625] J.-M. Jezequel. Using scalable distributed computers in telecommunications. *Lecture Notes in Computer Science*, 1225:60–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guidec:1997:PIS

- [626] F. Guidec, P. Calegari, and P. Kuonen. Parallel irregular software for wave propagation simulation. *Lecture Notes in Computer Science*, 1225:84–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruckmann:1997:HFW

- [627] A. Bruckmann, J. Haemmerle, M. Reichl, and A. Uhl. Hybrid fractal/wavelet image compression in a high performance computing environment. *Lecture Notes in Computer Science*, 1225:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hancock:1997:DPV

- [628] D. J. Hancock and R. J. Hubbard. Distributed parallel volume rendering on shared memory systems. *Lecture Notes in Computer Science*, 1225:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bigeard:1997:PAU

- [629] R. Bigeard, M. Devel, and J. Julliard. Parallelization of an algorithm used to simulate atomic force microscope images. *Lecture Notes in Computer Science*, 1225:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keppens:1997:DPP

- [630] R. Keppens, S. Poedts, P. M. Meijer, and J. P. Goedbloed. A data parallel pseudo-spectral semi-implicit magneto-hydrodynamics code. *Lecture Notes in Computer Science*, 1225:190–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRonde:1997:HPS

- [631] J. F. De Ronde, G. D. Van Albada, and P. M. A. Sloot. High performance simulation for resonant-mass gravitational radiation antennas. *Lecture Notes in Computer Science*, 1225:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dzwinel:1997:DPA

- [632] W. Dzwinel, J. Dzwinel, and K. Dzwinel. Development of parallel applications for MEGA-D — system for oil and gas prospecting. *Lecture Notes in Computer Science*, 1225:223–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drummond:1997:POA

- [633] L. A. Drummond, J. D. Farrara, C. R. Mechoso, and J. Z. Lou. Performance optimization of an atmospheric model in massively parallel computers. *Lecture Notes in Computer Science*, 1225:263–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaschke:1997:PSA

- [634] L. Jaschke. Parallel simulation of an ash melting furnace. *Lecture Notes in Computer Science*, 1225:282–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breitler:1997:HPC

- [635] M. Breitler, S. Hegi, J.-D. Reymond, and N. S. Tuchschnid. High performance computations for an optimal portfolio choice problem. *Lecture Notes in Computer Science*, 1225:293–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huang:1997:TWB

- [636] Y. Huang and W. F. McColl. A two-way BSP algorithm for tridiagonal systems. *Lecture Notes in Computer Science*, 1225:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Issman:1997:NOP

- [637] E. Issman and G. Degrez. Non-overlapping preconditioners for a parallel implicit Navier–Stokes solver. *Lecture Notes in Computer Science*, 1225:

351-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeSturler:1997:PSI

- [638] E. De Sturler and D. Loher. Parallel solution of irregular, sparse matrix problems using High Performance Fortran. *Lecture Notes in Computer Science*, 1225:360-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:IQM

- [639] T.-R. Yang and H.-X. Lin. The improved quasi-minimal residual method on massively distributed memory computers. *Lecture Notes in Computer Science*, 1225:389-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:IAC

- [640] T.-R. Yang and H.-X. Lin. Isoefficiency analysis of CGLS algorithm for parallel least squares problems. *Lecture Notes in Computer Science*, 1225:452-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aloisio:1997:DWB

- [641] G. Aloisio, M. Cafaro, R. Williams, and P. Messina. A distributed Web-based metacomputing environment. *Lecture Notes in Computer Science*, 1225:480-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brune:1997:LCI

- [642] M. Brune, J. Gehring, and A. Reinefeld. A lightweight communication in-

terface for parallel programming environments. *Lecture Notes in Computer Science*, 1225:503-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bubak:1997:OOL

- [643] M. Bubak, W. Ciesla, and K. Sowa. Object-oriented library of parallel genetic algorithms and its implementation on networked workstations and HP/convex exemplar. *Lecture Notes in Computer Science*, 1225:514-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derksen:1997:PFF

- [644] J. J. Derksen, J. L. Kooman, and H. E. A. Van den Akker. Parallel fluid flow simulations by means of a lattice-Boltzmann scheme. *Lecture Notes in Computer Science*, 1225:524-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dralle:1997:DAO

- [645] U. Dralle and A. Reinefeld. A distributed algorithm for optimal concurrent communication and load balancing in parallel systems. *Lecture Notes in Computer Science*, 1225:588-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cox:1997:RTK

- [646] A. Cox and A. Hall. A real time kernel to support the Transputer programming model. *Lecture Notes in Computer Science*, 1225:615-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barak:1997:PMP

- [647] A. Barak and O. La'adan. Performance of the MOSIX parallel system for a cluster of PC's. *Lecture Notes in Computer Science*, 1225:624-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frank:1997:ASS

- [648] R. Frank and H. Burkhardt. Application support by software reuse: The ALWAN approach. *Lecture Notes in Computer Science*, 1225:636-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeFlorio:1997:ALD

- [649] V. De Florio, G. Decomnck, and R. Lauwereins. An application-level dependable technique for farmer-worker parallel programs. *Lecture Notes in Computer Science*, 1225:644-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corradi:1997:IAU

- [650] A. Corradi, L. Leonardi, and F. Zambonelli. Integration of automated and user-level tools toward efficient parallel objects allocation. *Lecture Notes in Computer Science*, 1225:654-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hordijk:1997:PEC

- [651] J. Hordijk and H. Corporaal. The potential of exploiting coarse-grain task parallelism from sequential programs. *Lecture Notes in Computer Science*, 1225:664-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zingirian:1997:SIP

- [652] N. Zingirian and M. Maresca. Scheduling image processing program activities on instruction level parallel RISC through program transformations. *Lecture Notes in Computer Science*, 1225:674-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boyd:1997:EAF

- [653] S. Boyd and K. Marcus. The economic addition of functionality to a network. *Lecture Notes in Computer Science*, 1225:688-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dormanns:1997:PIN

- [654] M. Dormanns, W. Sprangers, H. Ertl, and T. Bemmerl. A programming interface for NUMA shared-memory clusters. *Lecture Notes in Computer Science*, 1225:698-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cordsen:1997:CSM

- [655] J. Cordsen and W. Schroeder-Preikschat. On the coexistence of shared-memory and message-passing in the programming of parallel applications. *Lecture Notes in Computer Science*, 1225:718-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Doroshenko:1997:MSC

- [656] A. E. Doroshenko. Modeling synchronization and communication abstractions for dynamical parallelization. *Lecture Notes in Computer Science*, 1225:752-??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1997:LLI

- [657] J. M. D. Hill and D. B. Skillicorn. Lessons learned from implementing BSP. *Lecture Notes in Computer Science*, 1225:762–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yau:1997:EHP

- [658] H. W. Yau, G. C. Fox, and K. A. Hawick. Evaluation of High Performance Fortran through application kernels. *Lecture Notes in Computer Science*, 1225:772–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fahringer:1997:ESA

- [659] T. Fahringer. Effective symbolic analysis to support parallelizing compilers and performance analysis. *Lecture Notes in Computer Science*, 1225:781–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evans:1997:OCA

- [660] E. W. Evans, S. P. Johnson, P. F. Leggett, and M. Cross. Overlapped communications automatically generated in a parallelisation tool. *Lecture Notes in Computer Science*, 1225:801–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brezany:1997:PIC

- [661] P. Brezany, A. Choudhary, and M. Dang. Parallelization of irregular

out-of-core applications for distributed-memory systems. *Lecture Notes in Computer Science*, 1225:811–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Germain:1997:IIP

- [662] C. Germain and D. Gautier de Lahaut. Improving irregular parallel communication through sorting. *Lecture Notes in Computer Science*, 1225:821–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fahringer:1997:ECP

- [663] T. Fahringer. Estimating cache performance for sequential and data parallel programs. *Lecture Notes in Computer Science*, 1225:840–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cortes:1997:ACC

- [664] T. Cortes, S. Girona, and J. Labarta. Avoiding the cache-coherence problem in a parallel/distributed file system. *Lecture Notes in Computer Science*, 1225:860–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haas:1997:MNS

- [665] S. Haas, D. A. Thornley, M. Zhu, and R. W. Dobinson. The Macrame 1024 node switching network. *Lecture Notes in Computer Science*, 1225:870–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karkowski:1997:OLT

- [666] I. Karkowski and H. Corporaal. Overcoming the limitations of the traditional loop parallelization. *Lecture Notes in Computer Science*, 1225:898–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:VIS

- [667] Q. Wang, Y. Yijun, and E. D'Hollander. Visualizing the iteration space in PEFPT. *Lecture Notes in Computer Science*, 1225:908–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bianchi:1997:BFM

- [668] F. Bianchi, E. Corno, M. Rebaudengo, and M. Sonza Reorda. Boolean function manipulation on a parallel system using BDDs. *Lecture Notes in Computer Science*, 1225:916–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Altilar:1997:PAV

- [669] D. T. Altilar, Y. Paker, and A. V. Sahiner. A parallel architecture for video processing. *Lecture Notes in Computer Science*, 1225:929–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerlach:1997:ECS

- [670] J. Gerlach, M. Sato, and Y. Ishikawa. Experiences with the C++ standard template library and MPI for a parallel particle simulation method. *Lecture Notes in Computer Science*, 1225:961–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gregoire:1997:PEA

- [671] J. P. Gregoire, J. D. Mattei, and G. Simeoni. Parallelization of Estet-Astrid code on Cray C98. *Lecture Notes in Computer Science*, 1225:970–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Calafiura:1997:ISD

- [672] P. Calafiura, G. Wirrer, and B. Panzer-Steindel. An integrated storage and data management system for a high energy physics experiment. *Lecture Notes in Computer Science*, 1225:975–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baraglia:1997:DGA

- [673] R. Baraglia, M. Bucci, D. Circelli, and R. Perego. On designing genetic algorithms for hypercube machines. *Lecture Notes in Computer Science*, 1225:980–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baraglia:1997:MOP

- [674] R. Baraglia, R. Ferrini, D. Laforenza, and A. Lagana. Metacomputing to overcome the power limits of a single machine. *Lecture Notes in Computer Science*, 1225:982–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aglietti:1997:TPC

- [675] F. Aglietti, A. Bartolini, C. Battista, and S. Cabasino. The teraflop parallel computer APEmille. *Lecture Notes in Computer Science*, 1225:991–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fornasari:1997:DDT

- [676] N. Fornasari, G. Gazzaniga, S. Rovida, and G. Sacchi. Domain decomposition techniques: Analysis of a parallel implementation on HP-Convex exemplar systems. *Lecture Notes in Computer Science*, 1225:1000–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bubak:1997:PAE

- [677] M. Bubak, W. Funika, and J. Moscinski. Performance analysis environment for parallel applications on networked workstations. *Lecture Notes in Computer Science*, 1225:1002–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Galtier:1997:PPA

- [678] J. Galtier and P. Klein. A parallel preprocessor applied to fluid dynamics problems. *Lecture Notes in Computer Science*, 1225:1006–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barnes:1997:CME

- [679] K. D. Barnes, N. Ivezic, and M. R. Leuze. Collaborative management environment: A Web-based management tool. *Lecture Notes in Computer Science*, 1225:1010–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chatagny:1997:PSF

- [680] R. Chatagny and B. Chopard. Parallel simulation of a foreign exchange market model. *Lecture Notes in Computer*

Science, 1225:1012–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chochia:1997:RMI

- [681] G. Chochia and M. Cole. Recursive 3D mesh indexing with improved locality. *Lecture Notes in Computer Science*, 1225:1014–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chrobak:1997:PFS

- [682] R. Chrobak, M. Bubak, J. Kitowski, and J. Moscinski. Parallel FEM simulation of forging processes on workstations and HP/convex exemplar. *Lecture Notes in Computer Science*, 1225:1018–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alda:1997:HPS

- [683] W. Alda, W. Dzwinel, J. Kitowski, and J. Moscinski. High performance simulation of thermal convection using quasi-particle approach. *Lecture Notes in Computer Science*, 1225:1022–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiMartino:1997:DCO

- [684] B. Di Martino, A. Mazzeo, N. Mazzocca, and S. Russo. Distributed coordination in optimization algorithms. *Lecture Notes in Computer Science*, 1225:1024–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dillon:1997:EQD

- [685] E. Dillon, C. Gamboa dos Santos, and J. Guyard. An environment

for quick design and efficient implementation of message-passing applications. *Lecture Notes in Computer Science*, 1225:1026–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hawick:1997:ABD

- [686] K. A. Hawick, H. A. James, K. J. Maciunas, and F. A. Vaughan. An ATM-based distributed high performance computing system. *Lecture Notes in Computer Science*, 1225:1032–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hawick:1997:GIS

- [687] K. A. Hawick, H. A. James, K. J. Maciunas, and F. A. Vaughan. Geographic information systems applications on an ATM-based distributed high performance computing system. *Lecture Notes in Computer Science*, 1225:1035–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghiot:1997:SAL

- [688] C. Ghiot, J.-M. Bequets, G. Carabin, and A. Dassargues. Sea air land modeling operational network. *Lecture Notes in Computer Science*, 1225:1040–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Collins:1997:GRS

- [689] J. J. Collins and M. Eaton. A global representation scheme for genetic algorithms. *Lecture Notes in Computer Science*, 1226:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agapie:1997:GAS

- [690] A. Agapie and D. Caragea. Genetic algorithms, schemata construction and statistics. *Lecture Notes in Computer Science*, 1226:16–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boquete:1997:ISU

- [691] L. Boquete, R. Barea, R. Garcia, and M. Mazo. Identification of systems using radial basis networks feedbacked with FIR filters. *Lecture Notes in Computer Science*, 1226:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Butkiewicz:1997:PCS

- [692] B. Butkiewicz. Position control system with fuzzy microprocessor AL220. *Lecture Notes in Computer Science*, 1226:74–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:FNC

- [693] M. M. Gupta. Fuzzy-neural computing systems: Recent developments and future directions. *Lecture Notes in Computer Science*, 1226:82–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haese:1997:OSO

- [694] K. Haese. Optimizing the self-organizing-process of topology maps. *Lecture Notes in Computer Science*, 1226:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grigore:1997:SSO

- [695] O. Grigore. Syntactical self-organizing map. *Lecture Notes in Computer Science*, 1226:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dias:1997:LLB

- [696] J. M. Dias and A. D. Correia. Online learning based on adaptive similarity and fixed size rule base. *Lecture Notes in Computer Science*, 1226:110–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eversheim:1997:AFC

- [697] W. Eversheim, A. Roggatz, and R. E. Young. Ability of fuzzy constraint networks to reduce the dynamic of changes in product development. *Lecture Notes in Computer Science*, 1226:122–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Friedrich:1997:UGE

- [698] C. M. Friedrich and C. Moraga. Using genetic engineering to find modular structures and activation functions for architectures of artificial neural networks. *Lecture Notes in Computer Science*, 1226:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giuclea:1997:GAS

- [699] M. Giuclea and A. Agapie. Genetic algorithms for solving systems of fuzzy relational equations. *Lecture Notes in Computer Science*, 1226:162–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Igel:1997:CSA

- [700] C. Igel and K.-H. Temme. Chaining syllogism applied to fuzzy IF-THEN rules and rule bases. *Lecture Notes in Computer Science*, 1226:179–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dvorak:1997:CPF

- [701] A. Dvorak. Computational properties of fuzzy logic deduction. *Lecture Notes in Computer Science*, 1226:189–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Besli:1997:AFC

- [702] N. Besli, E. Gul, and M. Tuerker. Application of fuzzy control to fed-batch yeast fermentation. *Lecture Notes in Computer Science*, 1226:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fukuda:1997:ALE

- [703] T. Fukuda and K. Shimojima. Adaptation, learning and evolutionary computing for intelligent robots. *Lecture Notes in Computer Science*, 1226:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomez-Skarmeta:1997:FCI

- [704] A. F. Gomez-Skarmeta, J. Piernas, and M. Delgado. Fuzzy clustering and images reduction. *Lecture Notes in Computer Science*, 1226:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Falkowski:1997:PSC

- [705] B.-J. Falkowski. Predicates and superimposed coding: An application to image recognition. *Lecture Notes in Computer Science*, 1226:250–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adrian:1997:FMC

- [706] S. Adrian. Fuzzy modeling of conceptual spaces. *Lecture Notes in Computer Science*, 1226:277–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benmakrouha:1997:CFM

- [707] F. Benmakrouha. Construction of a fuzzy model with few examples. *Lecture Notes in Computer Science*, 1226:285–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeBaets:1997:FZI

- [708] B. De Baets, M. Mares, and R. Mesiar. Fuzzy zeroes and indistinguishability of real numbers. *Lecture Notes in Computer Science*, 1226:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berger:1997:DSN

- [709] A. Berger, D. P. F. Moeller, and M. Reuter. Detection of sleep with new preprocessing methods for EEG analyzing. *Lecture Notes in Computer Science*, 1226:304–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gedeon:1997:WCC

- [710] T. D. Gedeon, R. A. Bustos, B. J. Briedis, and G. Greenleaf. Word-concept clusters in a legal document collection. *Lecture Notes in Computer Science*, 1226:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fogel:1997:RVO

- [711] L. J. Fogel. A retrospective view and outlook on evolutionary algorithms. *Lecture Notes in Computer Science*, 1226:337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:NTF

- [712] J. Zhang, A. Knoll, and K. V. Le. A new type of fuzzy logic system for adaptive modeling and control. *Lecture Notes in Computer Science*, 1226:363–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Binh:1997:SOL

- [713] T. T. Binh and U. Korn. Scalar optimization with linear and nonlinear constraints using evolution strategies. *Lecture Notes in Computer Science*, 1226:381–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karakas:1997:DAF

- [714] E. Karakas, H. Kueluenk, E. Oezdemir, and E. Oelcer. Design of adaptive fuzzy controller for Bolu highway tunnel ventilation system. *Lecture Notes in Computer Science*, 1226:403–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciuca:1997:LNN

- [715] I. Ciuca and J. A. Ware. Layered neural networks as universal approximators. *Lecture Notes in Computer Science*, 1226:411–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerke:1997:FBT

- [716] M. Gerke and H. Hoyer. Fuzzy back-propagation training of neural networks. *Lecture Notes in Computer Science*, 1226:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Voutchkov:1997:IWW

- [717] I. I. Voutchkov and K. D. Velev. Identification of waste water treatment plant using neural networks. *Lecture Notes in Computer Science*, 1226:478–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Derdiyok:1997:FLB

- [718] A. Derdiyok, N. Inanc, V. Oebulur, and H. Pastaci. Fuzzy logic based control of switched reluctance motor to reduce torque ripple. *Lecture Notes in Computer Science*, 1226:484–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wagner:1997:AEA

- [719] S. Wagner and H.-D. Kochs. An adjusted evolutionary algorithm for the optimization of fuzzy controllers. *Lecture Notes in Computer Science*, 1226:517–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agapie:1997:EFU

- [720] Adriana Agapie and Alexandru Agapie. Economic forecasting using genetic algorithms. *Lecture Notes in Computer Science*, 1226:543–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Albert:1997:IGA

- [721] J. Albert and J. Schoof. Interactive genetic algorithms and evolution based cooperative problem-solving. *Lecture Notes in Computer Science*, 1226:545–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alpbaz:1997:FMB

- [722] M. Alpbaz, Z. Zeybek, L. Oezbek, and F. Aliev. A fuzzy model based control of well mixed reactor with cooling jacket. *Lecture Notes in Computer Science*, 1226:546–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blume:1997:OVS

- [723] H. Blume, O. Franzen, and M. Schmidt. Optimizing video signal processing algorithms by evolution strategies. *Lecture Notes in Computer Science*, 1226:547–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borgulya:1997:EDS

- [724] I. Borgulya. An example for decision support in insurance. *Lecture Notes in Computer Science*, 1226:549–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damiani:1997:FID

- [725] E. Damiani and M. G. Fugini. Fuzzy identification of distributed components. *Lecture Notes in Computer Science*, 1226:550–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Englert:1997:NCN

- [726] M. Englert, R. Trapp, and R. De Klerk. Neural control of a nonlinear elastic two-mass system. *Lecture Notes in Computer Science*, 1226:553–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freisleben:1997:LFS

- [727] B. Freisleben and St. Strelen. A learning fuzzy system for predicting overshootings in process control. *Lecture Notes in Computer Science*, 1226:554–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Halinka:1997:ABP

- [728] A. Halinka, M. Szewczyk, and B. Witek. ANN-based power unit protective system. *Lecture Notes in Computer Science*, 1226:556–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hamburg:1997:SPM

- [729] I. Hamburg and L. Marin. A scheduling problem with multicriteria evaluation. *Lecture Notes in Computer Science*, 1226:558–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Izak:1997:HIM

- [730] R. Izak, K. Trott, T. Zahn, and U. Markl. Hardware implementation of a mixed analog-digital neural network. *Lecture Notes in Computer Science*, 1226:560–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaulent:1997:FSM

- [731] M. C. Jaulent, V. Bombardiet, A. Bubel, and J. Bremont. A fuzzy segmentation method for digital substract angiograms analysis. *Lecture Notes in Computer Science*, 1226:561–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wasiewicz:1997:GPO

- [732] P. Wasiewicz and J. Mulawka. Genetic programming in optimization of algorithms. *Lecture Notes in Computer Science*, 1226:581–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zivaljevic:1997:AFL

- [733] M. Zivaljevic and B. Rasuo. Application of fuzzy logic in solving problems from the area of reliability and maintenance of aircraft systems. *Lecture Notes in Computer Science*, 1226:583–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Georgieva:1997:FCD

- [734] O. Georgieva. Fuzzy control design of an activated sludge plant. *Lecture Notes in Computer Science*, 1226:593–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barabash:1997:UFO

- [735] S. Barabash. Use of fuzzy objects for statistical description of discrete systems with complex behavior. *Lecture Notes in Computer Science*, 1226:595–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cistelecan:1997:AGA

- [736] M. Cistelecan. On applying genetic algorithms to an intelligent sliding-mode control system training. *Lecture Notes in Computer Science*, 1226:598–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heirman:1997:NNE

- [737] P. Heirman and R. Serneels. Neural networks and edge detection. *Lecture Notes in Computer Science*, 1226:601–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bookstein:1997:QVD

- [738] F. L. Bookstein. Quadratic variation of deformations. *Lecture Notes in Computer Science*, 1230:15–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaturvedi:1997:AEI

- [739] P. Chaturvedi, M. F. Insana, and T. J. Hall. Acoustic and elastic imaging to model disease-induced changes in soft tissue structure. *Lecture Notes in Computer Science*, 1230:43–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buvat:1997:UST

- [740] I. Buvat, M. L. Bartlett, A. N. Kitsiou, and J. M. Carson. Using spatial-temporal images for analysis of gated cardiac tomographic data: The “M-mode” revisited. *Lecture Notes in Computer Science*, 1230:85–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Worth:1997:ASB

- [741] A. J. Worth, N. Makris, J. W. Meyer, and V. S. Caviness. Automated segmentation of brain exterior in MR images driven by empirical procedures and anatomical knowledge. *Lecture Notes in Computer Science*, 1230:99–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jones:1997:ASU

- [742] T. N. Jones and D. N. Metaxas. Automated 3D segmentation using deformable models and fuzzy affinity. *Lecture Notes in Computer Science*, 1230:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fritsch:1997:SMI

- [743] D. Fritsch, S. M. Pizer, L. Yu, and V. Johnson. Segmentation of medical image objects using deformable shape loci. *Lecture Notes in Computer Science*, 1230:127–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barrett:1997:BDR

- [744] H. H. Barrett and C. K. Abbey. Bayesian detection of random signals

on random backgrounds. *Lecture Notes in Computer Science*, 1230:155–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abbey:1997:ADM

- [745] C. K. Abbey, E. Clarkson, H. H. Barrett, and S. P. Mueller. Approximate distributions for maximum likelihood and maximum a posteriori estimates under a Gaussian noise model. *Lecture Notes in Computer Science*, 1230:167–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aylward:1997:CGM

- [746] S. Aylward and S. M. Pizer. Continuous Gaussian mixture modeling. *Lecture Notes in Computer Science*, 1230:176–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yavuz:1997:NSM

- [747] M. Yavuz and J. A. Fessler. New statistical models for randoms-precorrected PET scans. *Lecture Notes in Computer Science*, 1230:190–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Edwards:1997:DIG

- [748] P. J. Edwards, D. L. G. Hill, J. A. Little, and D. J. Hawkes. Deformation for image-guided interventions using a three component tissue model. *Lecture Notes in Computer Science*, 1230:218–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benali:1997:STS

- [749] H. Benali, I. Buvat, J. L. Anton, and M. Pelegrini. Space-time statistical model for functional MRI image sequences. *Lecture Notes in Computer Science*, 1230:285–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Houston:1997:JND

- [750] A. S. Houston. Jackknifing a normal database for regional cerebral blood flow SPECT obtained using principal components. *Lecture Notes in Computer Science*, 1230:299–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kerwin:1997:GCM

- [751] W. S. Kerwin and J. L. Prince. Generating 3D cardiac material markers using tagged MRI. *Lecture Notes in Computer Science*, 1230:313–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Denney:1997:IMT

- [752] T. S. Denney. Identification of myocardial tags in tagged MR images without prior knowledge of myocardial contours. *Lecture Notes in Computer Science*, 1230:327–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atkinson:1997:AAA

- [753] D. Atkinson, D. L. G. Hill, P. N. R. Stoye, and P. E. Summers. An autofocus algorithm for the automatic correction of motion artifacts in MR images. *Lecture Notes in Computer Science*, 1230:341–??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freeborough:1997:MGR

- [754] P. A. Freeborough and N. C. Fox. Measurement of global and regional cerebral volume changes by integrating boundary shifts between registered serial 3D MR scans. *Lecture Notes in Computer Science*, 1230:355–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duta:1997:SIM

- [755] N. Duta and M. Sonka. Segmentation and interpretation of MR brain images using an improved knowledge-based active shape model. *Lecture Notes in Computer Science*, 1230:375–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joshi:1997:GRF

- [756] S. C. Joshi, A. Banerjee, G. E. Christensen, and J. G. Csernansky. Gaussian random fields on sub-manifolds for characterizing brain surfaces. *Lecture Notes in Computer Science*, 1230:381–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hata:1997:FLA

- [757] Y. Hata, S. Kobashi, N. Kamiura, and M. Ishikawa. Fuzzy logic approach to 3D magnetic resonance image segmentation. *Lecture Notes in Computer Science*, 1230:387–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dean:1997:CTB

- [758] D. Dean, K. Subramanyan, J. Kamath, and F. L. Bookstein. Comparison of traditional brain segmentation tools with 3D self-organizing maps. *Lecture Notes in Computer Science*, 1230:393–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xu:1997:FBC

- [759] C. Xu, D. Pham, and J. Prince. Finding the brain cortex using fuzzy segmentation, isosurfaces, and deformable surface models. *Lecture Notes in Computer Science*, 1230:399–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zwiggelaar:1997:SML

- [760] R. Zwiggelaar, T. C. Parr, C. R. M. Boggis, and S. M. Astley. Statistical modelling of lines and structures in mammograms. *Lecture Notes in Computer Science*, 1230:405–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilson:1997:SCV

- [761] D. L. Wilson and J. A. Noble. Segmentation of cerebral vessels and aneurysms from MR angiography data. *Lecture Notes in Computer Science*, 1230:423–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aharon:1997:CEP

- [762] S. Aharon, B. M. Cameron, and R. A. Robb. Computation of efficient patient-specific models from 3D medical images: Use in virtual endoscopy and

surgery rehearsal. *Lecture Notes in Computer Science*, 1230:429–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:HAD

- [763] G.-Z. Yang and D. M. Hansell. A hybrid approach for the detection of small airways disease from computed tomographic images. *Lecture Notes in Computer Science*, 1230:447–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huang:1997:CSC

- [764] S. P. Huang, B. E. Chapman, J. E. Muhlestein, and D. D. Blatter. Computer simulation of convection and diffusion effects on velocity estimations from X-ray contrast density time curves. *Lecture Notes in Computer Science*, 1230:453–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hill:1997:ALI

- [765] A. Hill, A. D. Brett, and C. J. Taylor. Automatic landmark identification using a new method of non-rigid correspondence. *Lecture Notes in Computer Science*, 1230:483–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cotton:1997:NSI

- [766] S. Cotton, E. Claridge, and P. Hall. Noninvasive skin imaging. *Lecture Notes in Computer Science*, 1230:501–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolfe:1997:MIS

- [767] R. Wolfe and D. Laurendeau. Modelling interreflections in a system based on the differential absorption of light (DAL) for the measurement of range images. *Lecture Notes in Computer Science*, 1230:507–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bullitt:1997:RIV

- [768] E. Bullitt, A. Liu, S. Aylward, and S. M. Pizer. Reconstruction of the intracerebral vasculature from MRA and a pair of projection views. *Lecture Notes in Computer Science*, 1230:537–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chapman:1997:TAF

- [769] B. E. Chapman, K. C. Goodrich, A. L. Alexander, and D. D. Blatter. Two alternative forced-choice evaluation of vessel visibility increases due to zero-filled interpolation in MR angiography. *Lecture Notes in Computer Science*, 1230:543–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clarkson:1997:BDA

- [770] E. Clarkson and H. Barrett. Bayesian detection with amplitude, scale, orientation and position uncertainty. *Lecture Notes in Computer Science*, 1230:549–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonner:1997:WWL

- [771] A. Bonner. What was Llull up to? *Lecture Notes in Computer Science*, 1231:

1-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bjoerner:1997:DVR

- [772] N. S. Bjoerner, Z. Manna, H. B. Sipma, and T. E. Uribe. Deductive verification of real-time systems using STeP. *Lecture Notes in Computer Science*, 1231:22-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Broy:1997:RT

- [773] M. Broy. Refinement of time. *Lecture Notes in Computer Science*, 1231:44-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Campos:1997:VLR

- [774] S. Campos and E. Clarke. The Verus language: Representing time efficiently with BDDs. *Lecture Notes in Computer Science*, 1231:64-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cau:1997:RIT

- [775] A. Cau and H. Zedan. Refining interval temporal logic specifications. *Lecture Notes in Computer Science*, 1231:79-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dierks:1997:PAN

- [776] H. Dierks. PLC-Automata: A new class of implementable real-time automata. *Lecture Notes in Computer Science*, 1231:111-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DArgenio:1997:RPT

- [777] P. R. D'Argenio. Regular processes and timed automata. *Lecture Notes in Computer Science*, 1231:141-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feyerabend:1997:VFR

- [778] K. Feyerabend and B. Josko. A visual formalism for real-time requirement specifications. *Lecture Notes in Computer Science*, 1231:156-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamane:1997:FSV

- [779] S. Yamane. Formal specification and verification method of concurrent and distributed systems by restricted timed automata. *Lecture Notes in Computer Science*, 1231:169-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertran:1997:TMC

- [780] M. Bertran. A transformation of monitor into communication synchronized parallel processes: A systematic refinement step in design. *Lecture Notes in Computer Science*, 1231:199-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fevrier:1997:CO

- [781] A. Fevrier, E. Najm, and J.-B. Stefani. Contracts for ODP. *Lecture Notes in Computer Science*, 1231:216-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Back:1997:ABC

- [782] R. Back, M. Buechi, and E. Sekerinski. Action-based concurrency and synchronization for objects. *Lecture Notes in Computer Science*, 1231:248–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertran:1997:CEA

- [783] M. Bertran, F. Alvarez-Cuevas, and A. Duran. Communication extended abstract types in the refinement of parallel communicating processes. *Lecture Notes in Computer Science*, 1231:263–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Galan:1997:VRD

- [784] L. A. Galán and R. Peña. Verification and refinement of distributed programs in a fair framework. *Lecture Notes in Computer Science*, 1231:280–294, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldsack:1997:SRC

- [785] S. Goldsack, K. Lano, and E. Durr. Specification and refinement of continuous real-time systems. *Lecture Notes in Computer Science*, 1231:310–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:HLE

- [786] F. Wang. High-level execution time analysis. *Lecture Notes in Computer Science*, 1231:325–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomez:1997:SCP

- [787] F. C. Gomez, D. De Frutos Escrig, and V. V. Ruiz. A sound and complete proof system for probabilistic processes. *Lecture Notes in Computer Science*, 1231:340–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gregorio-Rodriguez:1997:TSP

- [788] C. Gregorio-Rodriguez, L. Llana-Diaz, M. Nutez, and Pedro Palao-Gostanza. Testing semantics for a probabilistic-timed process algebra. *Lecture Notes in Computer Science*, 1231:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bowman:1997:ELT

- [789] H. Bowman and J. Derrick. Extending LOTOS with time: A true concurrency perspective. *Lecture Notes in Computer Science*, 1231:383–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hernalsteen:1997:ISR

- [790] C. Hernalsteen and A. Fevrier. Introduction of a suspend/resume operator in ET-LOTOS. *Lecture Notes in Computer Science*, 1231:400–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McCune:1997:WBS

- [791] W. McCune. Well behaved search and the Robbins problem. *Lecture Notes in Computer Science*, 1232:1–7, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lynch:1997:GDC

- [792] C. Lynch. Goal-directed completion using SOUR graphs. *Lecture Notes in Computer Science*, 1232:8–22, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1997:SCC

- [793] D. Kapur. Shostak's congruence closure as completion. *Lecture Notes in Computer Science*, 1232:23–37, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuehler:1997:CES

- [794] U. Kuehler and C.-P. Wirth. Conditional equational specifications of data types with partial operations for inductive theorem proving. *Lecture Notes in Computer Science*, 1232:38–52, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Otto:1997:CSF

- [795] F. Otto, M. Katsura, and Y. Kobayashi. Cross-sections for finitely presented monoids with decidable word problems. *Lecture Notes in Computer Science*, 1232:53–67, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sattler-Klein:1997:NUR

- [796] A. Sattler-Klein. New undecidability results for finitely presented monoids. *Lecture Notes in Computer Science*, 1232:68–82, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Otto:1997:PPR

- [797] F. Otto. On the property of preserving regularity for string-rewriting systems. *Lecture Notes in Computer Science*, 1232:83–97, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Contejean:1997:RSN

- [798] E. Contejean, C. Marche, and L. Rabehasaina. Rewrite systems for natural, integral, and rational arithmetic. *Lecture Notes in Computer Science*, 1232:98–112, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bachmair:1997:BPI

- [799] L. Bachmair and A. Tiwari. D -bases for polynomial ideals over commutative Noetherian rings. *Lecture Notes in Computer Science*, 1232:113–127, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Struth:1997:WPF

- [800] G. Struth. On the word problem for free lattices. *Lecture Notes in Computer Science*, 1232:128–141, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1997:TGP

- [801] D. Kapur and G. Sivakumar. A total ground path ordering for proving termination of AC rewrite systems. *Lecture Notes in Computer Science*, 1232:142–156, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arts:1997:PIN

- [802] T. Arts and J. Giesl. Proving innermost normalisation automatically. *Lecture Notes in Computer Science*, 1232:157–171, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zantema:1997:TCS

- [803] H. Zantema. Termination of context-sensitive rewriting. *Lecture Notes in Computer Science*, 1232:172–186, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oyamaguchi:1997:NPC

- [804] M. Oyamaguchi and Y. Ohta. A new parallel closed condition for Church–Rosser of left-linear term rewriting systems. *Lecture Notes in Computer Science*, 1232:187–201, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dershowitz:1997:ICS

- [805] N. Dershowitz. Innocuous constructor-sharing combinations. *Lecture Notes in Computer Science*, 1232:202–216, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Perlo-Freeman:1997:SCT

- [806] S. Perlo-Freeman and P. Proehle. Scott’s conjecture is true, position sensitive weights. *Lecture Notes in Computer Science*, 1232:217–227, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lafont:1997:TDR

- [807] Y. Lafont. Two dimensional rewriting. *Lecture Notes in Computer Science*,

1232:228–229, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beeher:1997:CAI

- [808] D. Beeher, P. De Groote, and C. Retore. A complete axiomatisation for the inclusion of series-parallel partial orders. *Lecture Notes in Computer Science*, 1232:230–240, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Marcinkowski:1997:UFO

- [809] J. Marcinkowski. Undecidability of the first order theory of one-step right ground rewriting. *Lecture Notes in Computer Science*, 1232:241–253, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vorobyov:1997:FOT

- [810] S. Vorobyov. The first-order theory of one step rewriting in linear Noetherian systems is undecidable. *Lecture Notes in Computer Science*, 1232:254–268, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tomas:1997:SLD

- [811] A. P. Tomas and M. Filgueiras. Solving linear Diophantine equations using the geometric structure of the solution space. *Lecture Notes in Computer Science*, 1232:269–283, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schulz:1997:CIU

- [812] K. Schulz. A criterion for intractability of E -unification with free function symbols and its relevance for combination of unification algorithms. *Lecture Notes*

in *Computer Science*, 1232:284–307, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Statman:1997:ERC

- [813] R. Statman. Effective reduction and conversion strategies for combinators. *Lecture Notes in Computer Science*, 1232:299–307, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanOostrom:1997:FFD

- [814] V. Van Oostrom. Finite family developments. *Lecture Notes in Computer Science*, 1232:308–322, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ringeissen:1997:PCU

- [815] C. Ringeissen. Prototyping combination of unification algorithms with the ELAN rule-based programming language. *Lecture Notes in Computer Science*, 1232:323–326, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goebel:1997:IPM

- [816] M. Goebel. The invariant package of MAS. *Lecture Notes in Computer Science*, 1232:327–334, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Green:1997:OSC

- [817] E. Green, L. Heath, and B. Keller. Opal: A system for computing noncommutative Gröbner bases. *Lecture Notes in Computer Science*, 1232:331–334, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ogata:1997:TAM

- [818] K. Ogata, K. Ohhara, and K. Futatsugi. TRAM: an abstract machine for order-sorted conditional term rewriting systems. *Lecture Notes in Computer Science*, 1232:335–338, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borst:1997:TAR

- [819] Johan Borst, Lars R. Knudsen, and Vincent Rijmen. Two attacks on reduced IDEA. *Lecture Notes in Computer Science*, 1233:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330001.pdf>.

Zieschang:1997:CPB

- [820] Thilo Zieschang. Combinatorial properties of basic encryption operations. *Lecture Notes in Computer Science*, 1233:14–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330014.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330014.pdf>.

Naccache:1997:NPK

- [821] David Naccache and Jacques Stern. A new public-key cryptosystem. *Lecture Notes in Computer Science*, 1233:27–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330027.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330027.pdf>.

Boneh:1997:ICC

- [822] Dan Boneh, Richard A. DeMillo, and Richard J. Lipton. On the importance of checking cryptographic protocols for faults. *Lecture Notes in Computer Science*, 1233:37–51, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330037.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330037.pdf>; <http://theory.stanford.edu/~dabo/papers/faults.ps.gz>.

Coppersmith:1997:LAN

- [823] Don Coppersmith and Adi Shamir. Lattice attacks on NTRU. *Lecture Notes in Computer Science*, 1233:52–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330052.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330052.pdf>.

Young:1997:KUC

- [824] Adam Young and Moti Yung. Kleptography: Using cryptography against cryptography. *Lecture Notes in Computer Science*, 1233:62–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL

<http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330062.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330062.pdf>.

Cramer:1997:FSI

- [825] Ronald Cramer and Ivan Bjerre Damgård. Fast and secure immunization against adaptive man-in-the-middle impersonation. *Lecture Notes in Computer Science*, 1233:75–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330075.pdf>.

Pfitzmann:1997:AF

- [826] Birgit Pfitzmann and Michael Waidner. Anonymous fingerprinting. *Lecture Notes in Computer Science*, 1233:88–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330088.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330088.pdf>.

Cramer:1997:SOE

- [827] Ronald Cramer, Rosario Gennaro, and Berry Schoenmakers. A secure and optimally efficient multi-authority election scheme. *Lecture Notes in Computer Science*, 1233:103–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330091.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330091.pdf>.

ny.com/link/service/series/0558/bibs/1233/12330103.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330103.pdf>.

Verheul:1997:BEF

- [828] Eric R. Verheul and Henk C. A. van Tilborg. Binding ElGamal: A fraud-detectable alternative to key-escrow proposals. *Lecture Notes in Computer Science*, 1233:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330119.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330119.pdf>.

Anderson:1997:GPP

- [829] Ross Anderson and Michael Roe. The GCHQ protocol and its problems. *Lecture Notes in Computer Science*, 1233:134–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330134.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330134.pdf>.

Johansson:1997:BHS

- [830] Thomas Johansson. Bucket hashing with a small key size. *Lecture Notes in Computer Science*, 1233:149–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330149.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330149.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1233/12330149.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1233/12330149.pdf).

Bellare:1997:NPC

- [831] Mihir Bellare and Daniele Micciancio. A new paradigm for collision-free hashing: Incrementality at reduced cost. *Lecture Notes in Computer Science*, 1233:163–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330163.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330163.pdf>.

Cachin:1997:SER

- [832] Christian Cachin. Smooth entropy and Rényi entropy. *Lecture Notes in Computer Science*, 1233:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330193.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330193.pdf>.

Maurer:1997:ITS

- [833] Ueli M. Maurer. Information-theoretically secure secret-key agreement by NOT authenticated public discussion. *Lecture Notes in Computer Science*, 1233:209–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330209.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330209.pdf>.

com/link/service/series/0558/papers/1233/12330209.pdf.

Fischlin:1997:SSP

Golic:1997:LSW

- [834] Jovan Dj. Golic. Linear statistical weakness of alleged RC4 keystream generator. *Lecture Notes in Computer Science*, 1233:226–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330226.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330226.pdf>.

- [837] Roger Fischlin and Claus P. Schnorr. Stronger security proofs for RSA and Rabin bits. *Lecture Notes in Computer Science*, 1233:267–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330267.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330267.pdf>.

Golic:1997:CAA

- [835] Jovan Dj. Golic. Cryptanalysis of alleged A5 stream cipher. *Lecture Notes in Computer Science*, 1233:239–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330239.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330239.pdf>.

Bellare:1997:ROZ

- [838] Mihir Bellare, Markus Jakobsson, and Moti Yung. Round-optimal zero-knowledge arguments based on any one-way function. *Lecture Notes in Computer Science*, 1233:280–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330280.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330280.pdf>.

Shoup:1997:LBD

- [836] Victor Shoup. Lower bounds for discrete logarithms and related problems. *Lecture Notes in Computer Science*, 1233:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330256.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330256.pdf>.

Crepeau:1997:ECP

- [839] Claude Crépeau. Efficient cryptographic protocols based on noisy channels. *Lecture Notes in Computer Science*, 1233:306–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330306.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330306.pdf>.

Brands:1997:RDL

- [840] Stefan Brands. Rapid demonstration of linear relations connected by Boolean operators. *Lecture Notes in Computer Science*, 1233:318–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330318.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330318.pdf>.

Brassard:1997:OTP

- [841] Gilles Brassard and Claude Crépeau. Oblivious transfers and privacy amplification. *Lecture Notes in Computer Science*, 1233:334–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330334.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330334.pdf>.

Bosselaers:1997:SDP

- [842] Antoon Bosselaers, René Govaerts, and Joos Vandewalle. SHA: A design for parallel architectures? *Lecture Notes in Computer Science*, 1233:348–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330348.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330348.pdf>.

Paar:1997:FAA

- [843] Christof Paar and Pedro Soria-Rodriguez. Fast arithmetic architectures for public-key algorithms over Galois fields $GF((2^n)^m)$. *Lecture Notes in Computer Science*, 1233:363–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330363.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330363.pdf>.

Lercier:1997:FGR

- [844] Reynald Lercier. Finding good random elliptic curves for cryptosystems defined over \mathbf{F}_{2^n} . *Lecture Notes in Computer Science*, 1233:379–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330379.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330379.pdf>.

Fischlin:1997:ICM

- [845] Marc Fischlin. Incremental cryptography and memory checkers. *Lecture Notes in Computer Science*, 1233:393–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330393.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330393.pdf>.

Kurosawa:1997:AWI

- [846] Kaoru Kurosawa, Thomas Johansson, and Douglas R. Stinson. Almost k -wise independent sample spaces and their cryptologic applications. *Lecture Notes in Computer Science*, 1233:409–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330409.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330409.pdf>.

Carlet:1997:MCI

- [847] Claude Carlet. More correlation-immune and resilient functions over Galois fields and Galois rings. *Lecture Notes in Computer Science*, 1233:422–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330422.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330422.pdf>.

Kurosawa:1997:DSP

- [848] Kaoru Kurosawa and Takashi Satoh. Design of SAC/PC(l) of order k Boolean functions and three other cryptographic criteria. *Lecture Notes in Computer Science*, 1233:434–449, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330434.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330434.pdf>.

Jakobsson:1997:DMI

- [849] Markus Jakobsson and Moti Yung. Distributed “magic ink” signatures. *Lecture Notes in Computer Science*, 1233:450–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330450.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330450.pdf>.

Camenisch:1997:EGG

- [850] Jan L. Camenisch. Efficient and generalized group signatures. *Lecture Notes in Computer Science*, 1233:465–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330465.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330465.pdf>.

Baric:1997:CFA

- [851] Niko Baric and Birgit Pfitzmann. Collision-free accumulators and fail-stop signature schemes without trees. *Lecture Notes in Computer Science*, 1233:480–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330480.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330480.pdf>.

Girault:1997:SFR

- [852] Marc Girault and Jean-François Misarsky. Selective forgery of RSA sig-

natures using redundancy. *Lecture Notes in Computer Science*, 1233:495–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1233/12330495.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1233/12330495.pdf>.

Anonymous:1997:A1a

- [853] Anonymous. Author index. *Lecture Notes in Computer Science*, 1233:509–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1233/1233indx.pdf>.

Artemov:1997:TSH

- [854] S. Artemov, J. Davoren, and A. Nerode. Topological semantics for hybrid systems. *Lecture Notes in Computer Science*, 1234:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barthe:1997:DFP

- [855] G. Barthe and M. H. Soerensen. Domain-free pure type systems. *Lecture Notes in Computer Science*, 1234:9–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Belegradek:1997:GQQ

- [856] O. V. Belegradek, A. P. Stolboushkin, and M. A. Taitslin. Generic queries over quasi-*o*-minimal domains. *Lecture Notes in Computer Science*, 1234:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bukatin:1997:TCD

- [857] M. A. Bukatin and J. S. Scott. Towards computing distances between programs via Scott domains. *Lecture Notes in Computer Science*, 1234:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clote:1997:SRS

- [858] P. Clote. A safe recursion scheme for exponential time. *Lecture Notes in Computer Science*, 1234:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Courcelle:1997:FMT

- [859] B. Courcelle. Finite model theory, universal algebra and graph grammars. *Lecture Notes in Computer Science*, 1234:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dantsin:1997:CQA

- [860] E. Dantsin and A. Voronkov. Complexity of query answering in logic databases with complex values. *Lecture Notes in Computer Science*, 1234:56–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dekhtyar:1997:RDD

- [861] M. I. Dekhtyar and A. J. Dikovskiy. Recognition of deductive data base stability. *Lecture Notes in Computer Science*, 1234:67–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dudakov:1997:CCH

- [862] S. M. Dudakov. The concurrency complexity for the Horn fragment of linear logic. *Lecture Notes in Computer Science*, 1234:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durnev:1997:SAP

- [863] V. Durnev. Studying algorithmic problems for free semi-groups and groups. *Lecture Notes in Computer Science*, 1234:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freivalds:1997:LSP

- [864] R. Freivalds, G. Tervits, R. Wiehagen, and C. Smith. Learning small programs with additional information. *Lecture Notes in Computer Science*, 1234:102–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gavrilovich:1997:CES

- [865] M. Gavrilovich. Cut elimination for the second order propositional logic with Hilbert’s symbol, extensionality, and full comprehension. *Lecture Notes in Computer Science*, 1234:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Golovanov:1997:FBA

- [866] M. Golovanov. Finite bases of admissible rules for the logic S52C. *Lecture Notes in Computer Science*, 1234:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeGroote:1997:ACC

- [867] P. De Groote. An algebraic correctness criterion for intuitionistic proof-nets. *Lecture Notes in Computer Science*, 1234:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harel:1997:TTR

- [868] D. Harel. Towards a theory of recursive structures. *Lecture Notes in Computer Science*, 1234:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heinemann:1997:CPF

- [869] B. Heinemann. On the complexity of prefix formulas in modal logic of subset spaces. *Lecture Notes in Computer Science*, 1234:145–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xi:1997:SEE

- [870] H. Xi. Simulating eta-expansions with β -reductions in the second-order polymorphic lambda-calculus. *Lecture Notes in Computer Science*, 1234:399–409, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yavorsky:1997:LSF

- [871] R. E. Yavorsky. Logical schemes for first order theories. *Lecture Notes in Computer Science*, 1234:410–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zakharov:1997:VPF

- [872] V. Zakharov. Verification of PLTL formulae by means of monotone disjunc-

tive normal forms. *Lecture Notes in Computer Science*, 1234:419–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conradi:1997:TUV

- [873] R. Conradi and B. Westfechtel. Towards a uniform version model for software configuration management. *Lecture Notes in Computer Science*, 1235:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buffenbarger:1997:WYD

- [874] J. Buffenbarger and K. Gruell. What have you done for me lately? (branches, merges, and change logs). *Lecture Notes in Computer Science*, 1235:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weber:1997:CSV

- [875] D. W. Weber. Change sets versus change packages: Comparing implementations of change-based SCM. *Lecture Notes in Computer Science*, 1235:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wingerd:1997:CLP

- [876] L. Wingerd and C. Seiwald. Constructing a large product with jam. *Lecture Notes in Computer Science*, 1235:36–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Estublier:1997:HLP

- [877] J. Estublier, S. Dami, and M. Amiour. High level process modeling for SCM

systems. *Lecture Notes in Computer Science*, 1235:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ci:1997:SDS

- [878] J. X. Ci, M. Poonawala, W. Tsai, and A. K. Onoma. ScmEngine: A distributed software configuration management environment on X.500. *Lecture Notes in Computer Science*, 1235:108–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hunt:1997:DCM

- [879] J. J. Hunt, F. Lamers, J. Reuter, and W. F. Tichy. Distributed configuration management via Java and the World Wide Web. *Lecture Notes in Computer Science*, 1235:161–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Froehlich:1997:WCM

- [880] P. Froehlich and W. Nejdl. WebRC: Configuration management for a cooperation tool. *Lecture Notes in Computer Science*, 1235:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kilpi:1997:PMR

- [881] T. Kilpi. Product management requirements for SCM discipline. *Lecture Notes in Computer Science*, 1235:186–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asklund:1997:CSC

- [882] U. Asklund and B. Magnusson. A case-study of configuration manage-

ment with ClearCase in an industrial environment. *Lecture Notes in Computer Science*, 1235:201–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crnkovic:1997:ECO

- [883] I. Crnkovic. Experience with change-oriented SCM tools. *Lecture Notes in Computer Science*, 1235:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernsen:1997:UES

- [884] N. O. Bernsen, L. Dybkjaer, and H. Dybkjaer. User errors in spoken human-machine dialogue. *Lecture Notes in Computer Science*, 1236:14–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dahlbaeck:1997:TDT

- [885] N. Dahlbaeck. Towards a dialogue taxonomy. *Lecture Notes in Computer Science*, 1236:29–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grote:1997:SPH

- [886] B. Grote, E. Hagen, A. Stein, and E. Teich. Speech production in human-machine dialogue: A natural language generation perspective. *Lecture Notes in Computer Science*, 1236:70–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abella:1997:DPD

- [887] A. Abella, M. K. Brown, and B. Buntschuh. Development principles for dialog-based interfaces. *Lecture Notes in Computer Science*, 1236:

141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barnett:1997:DPS

- [888] J. Barnett and M. Singh. Designing a portable spoken dialogue system. *Lecture Notes in Computer Science*, 1236:156–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Araki:1997:AEE

- [889] M. Araki and S. Doshita. Automatic evaluation environment for spoken dialogue systems. *Lecture Notes in Computer Science*, 1236:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gates:1997:EEE

- [890] D. Gates, A. Lavie, L. Levin, and A. Waibel. End-to-end evaluation in JANUS: A speech-to-speech translation system. *Lecture Notes in Computer Science*, 1236:195–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wellman:1997:MAA

- [891] M. P. Wellman. Market-aware agents for a multiagent world. *Lecture Notes in Computer Science*, 1237:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ermoliev:1997:LAV

- [892] Y. M. Ermoliev. Learning and adoption versus optimization. *Lecture Notes in Computer Science*, 1237:2–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castelfranchi:1997:LSR

- [893] C. Castelfranchi. Limits of strategic rationality for agents and M-A systems. *Lecture Notes in Computer Science*, 1237:3-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boman:1997:NCR

- [894] M. Boman. Norms as constraints on real-time autonomous agent action. *Lecture Notes in Computer Science*, 1237:36-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dragoni:1997:DBR

- [895] A. F. Dragoni, P. Giorgini, and M. Baffetti. Distributed belief revision vs. belief revision in a multi-agent environment: First results of a simulation experiment. *Lecture Notes in Computer Science*, 1237:45-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeJong:1997:MAC

- [896] E. De Jong. Multi-agent coordination by communication of evaluations. *Lecture Notes in Computer Science*, 1237:63-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chaib-draa:1997:CRM

- [897] B. Chaib-draa. Causal reasoning in multi-agent systems. *Lecture Notes in Computer Science*, 1237:79-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glaser:1997:RSA

- [898] N. Glaser and P. Morignot. The reorganization of societies of autonomous agents. *Lecture Notes in Computer Science*, 1237:98-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisher:1997:DPS

- [899] M. Fisher and M. Wooldridge. Distributed problem-solving as concurrent theorem proving. *Lecture Notes in Computer Science*, 1237:128-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ygge:1997:MCM

- [900] F. Ygge and H. Akkermans. Making a case for multi-agent systems. *Lecture Notes in Computer Science*, 1237:156-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baerentzen:1997:LND

- [901] L. Baerentzen, P. Avila, and S. N. Talukdar. Learning network designs for asynchronous teams. *Lecture Notes in Computer Science*, 1237:177-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joosen:1997:BMA

- [902] W. Joosen, S. Bijmens, F. Matthijs, and B. Robben. Building multi-agent systems with CORRELATE. *Lecture Notes in Computer Science*, 1237:197-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jonker:1997:MAM

- [903] C. M. Jonker and J. Treur. Modelling an agent's mind and matter. *Lecture Notes in Computer Science*, 1237:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castelfranchi:1997:DC

- [904] C. Castelfranchi and R. Falcone. Delegation conflicts. *Lecture Notes in Computer Science*, 1237:234–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeZen:1997:VDI

- [905] G. De Zen and L. Faglia. Video on demand in an integrated IN/B-ISDN scenario. *Lecture Notes in Computer Science*, 1238:5–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Evans:1997:NRA

- [906] M. P. Evans, K. T. Kettunen, G. K. Blackwell, and S. M. Furnell. Network resource adaptation in the DOLMEN service machine. *Lecture Notes in Computer Science*, 1238:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huelamo:1997:TBP

- [907] J. Huelamo, H. Vanderstraeten, J. C. Garcia, and P. Coppo. A TINA based prototype for a multimedia multiparty mobility service. *Lecture Notes in Computer Science*, 1238:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choi:1997:DIC

- [908] T. Choi, E. Son, and K.-Y. Yu. DAVIC and the Internet convergence: A convergence architecture using WWW, JAVA, and CORBA. *Lecture Notes in Computer Science*, 1238:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hussmann:1997:IAN

- [909] H. Hussmann. Intelligent ATM networks: Services and realisation alternatives. *Lecture Notes in Computer Science*, 1238:87–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dede:1997:OCM

- [910] A. Dede, S. Arsenis, A. Tosti, and F. Lucidi. OSAM component model, A key concept for the efficient design of future telecommunication systems. *Lecture Notes in Computer Science*, 1238:127–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeZen:1997:PSS

- [911] G. De Zen, L. Faglia, H. Hussmann, and A. Van der Vekens. Proposal for an IN switching state model in an integrated IN/B-ISDN scenario. *Lecture Notes in Computer Science*, 1238:179–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johansen:1997:HIB

- [912] J. Johansen. Harmonisation/integration of B-ISDN and IN (EURESCOM project P506). *Lecture Notes in Computer Science*, 1238:189–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choi:1997:GSO

- [913] Y. B. Choi and A. Tang. A generic service order handling interface for the cooperative service providers in the deregulating and competitive telecommunications environment. *Lecture Notes in Computer Science*, 1238:211–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herzog:1997:TTP

- [914] U. Herzog and T. Magedanz. From IN toward TINA — potential migration steps. *Lecture Notes in Computer Science*, 1238:219–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wade:1997:MDI

- [915] V. Wade, D. Lewis, M. Sheppard, and M. Tschichholz. A methodology for developing integrated multi-domain service management systems. *Lecture Notes in Computer Science*, 1238:245–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Covaci:1997:THP

- [916] S. Covaci and D. Dragan. Towards harmonised pan-European TMN customer care solutions: Interoperable trouble ticketing management service. *Lecture Notes in Computer Science*, 1238:255–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Griffin:1997:ITL

- [917] D. Griffin, G. Pavlou, and T. Tin. Implementing TMN-like management services in a TINA compliant architecture: A case study on resource configuration management. *Lecture Notes in Computer Science*, 1238:263–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bleakley:1997:TSS

- [918] C. Bleakley, W. Donnelly, A. Lindgren, and H. Vuorela. TMN specifications to support inter-domain exchange of accounting, billing and charging information. *Lecture Notes in Computer Science*, 1238:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bjerring:1997:DIF

- [919] L. H. Bjerring and P. Vorm. Domain interoperability for federated connectivity management. *Lecture Notes in Computer Science*, 1238:293–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Galis:1997:TIN

- [920] A. Galis, C. Brianza, C. Leone, and C. Salvatori. Towards integrated network management for ATM and SDH networks supporting a global broadband connectivity management service. *Lecture Notes in Computer Science*, 1238:303–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Deri:1997:SVD

- [921] L. Deri and B. Ban. Static vs. dynamic CMIP/SNMP network management using CORBA. *Lecture Notes in*

Computer Science, 1238:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dassow:1997:STA

- [922] H. Dassow and G. Lehr. SNMP and TMN: Aspects of migration and integration. *Lecture Notes in Computer Science*, 1238:339–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bogler:1997:INI

- [923] G. Bogler. Internet — new inspiration for telecommunications management network. *Lecture Notes in Computer Science*, 1238:359–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Francis:1997:TGM

- [924] J. C. Francis and B. Diem. Towards global multimedia mobility. *Lecture Notes in Computer Science*, 1238:371–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Adamidis:1997:CIU

- [925] E. P. Adamidis, G. Fleming, and E. D. Sykas. Consistency issues in the UMTS distributed database. *Lecture Notes in Computer Science*, 1238:403–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gagnon:1997:SAT

- [926] F. Gagnon, D. Maillot, J. Oelnes, and L. Hofseth. A security architecture for TMN inter-domain management. *Lecture Notes in Computer Science*, 1238:417–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Whinnett:1997:EUA

- [927] D. Whinnett. End user acceptance of security technology for electronic commerce. *Lecture Notes in Computer Science*, 1238:447–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fink:1997:PHI

- [928] J. Fink, A. Kobsa, and J. Schreck. Personalized hypermedia information provision through adaptive and adaptable system features: User modelling, privacy and security issues. *Lecture Notes in Computer Science*, 1238:459–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Deri:1997:VAN

- [929] L. Deri and D. Manikis. VRML: Adding 3D to network management. *Lecture Notes in Computer Science*, 1238:469–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cooper:1997:CLR

- [930] K. Cooper, K. Kennedy, and N. McIntosh. Cross-loop reuse analysis and its application to cache optimizations. *Lecture Notes in Computer Science*, 1239:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ayguade:1997:DDL

- [931] E. Ayguade, J. Garcia, M. L. Grande, and J. Labarta. Data distribution and loop parallelization for shared-memory

multiprocessors. *Lecture Notes in Computer Science*, 1239:41–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yoshida:1997:DLU

- [932] A. Yoshida and H. Kasahara. Data localization using loop aligned decomposition for macro-dataflow processing. *Lecture Notes in Computer Science*, 1239:56–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Creusillet:1997:EVA

- [933] B. Creusillet and F. Irigoien. Exact versus approximate array region analyses. *Lecture Notes in Computer Science*, 1239:86–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Autrey:1997:IRG

- [934] T. Autrey and M. Wolfe. Initial results for glacial variable analysis. *Lecture Notes in Computer Science*, 1239:120–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fang:1997:CAI

- [935] J. Fang. Compiler algorithms on if-conversion, speculative predicate assignment and predicated code optimizations. *Lecture Notes in Computer Science*, 1239:135–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Donaldson:1997:DAP

- [936] V. Donaldson and J. Ferrante. Determining asynchronous pipeline execution times. *Lecture Notes in Computer*

Science, 1239:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berson:1997:IPO

- [937] D. A. Berson, P. Chang, R. Gupta, and M. L. Soffa. Integrating program optimizations and transformations with the scheduling of instruction level parallelism. *Lecture Notes in Computer Science*, 1239:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chang:1997:BSN

- [938] P. Chang, D.-Y. Chen, Y.-F. Lee, and Y. Wu. Bidirectional scheduling: A new global code scheduling approach. *Lecture Notes in Computer Science*, 1239:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeDinechin:1997:PCM

- [939] B. D. De Dinechin. Parametric computation of margins and of minimum cumulative register lifetime dates. *Lecture Notes in Computer Science*, 1239:231–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diniz:1997:LCE

- [940] P. Diniz and M. Rinard. Lock coarsening: Eliminating lock overhead in automatically parallelized object-based programs. *Lecture Notes in Computer Science*, 1239:285–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eigenmann:1997:PWR

- [941] R. Eigenmann, I. Park, and M. J. Voss. Are parallel workstations the right target for parallelizing compilers? *Lecture Notes in Computer Science*, 1239:300–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xue:1997:CMT

- [942] J. Xue. Communication-minimal tiling of uniform dependence loops. *Lecture Notes in Computer Science*, 1239:330–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barua:1997:CMP

- [943] R. Barua, D. Kranz, and A. Agarwal. Communication-minimal partitioning of parallel loops and data arrays for cache-coherent distributed-memory multiprocessors. *Lecture Notes in Computer Science*, 1239:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kennedy:1997:RBC

- [944] K. Kennedy and A. Sethi. Resource-based communication placement analysis. *Lecture Notes in Computer Science*, 1239:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chandra:1997:HFG

- [945] S. Chandra and J. R. Larus. HPF on fine-grain distributed shared memory: Early experience. *Lecture Notes in Computer Science*, 1239:450–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bik:1997:SQE

- [946] A. J. C. Bik and H. A. G. Wijshoff. Simple qualitative experiments with a sparse compiler. *Lecture Notes in Computer Science*, 1239:466–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chamberlain:1997:FJU

- [947] B. L. Chamberlain, S.-E. Choi, E. C. Lewis, and L. Snyder. Factor-join: A unique approach to compiling array languages for parallel machines. *Lecture Notes in Computer Science*, 1239:481–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

John:1997:CCS

- [948] A. John and J. C. Browne. Compilation of constraint systems to procedural parallel programs. *Lecture Notes in Computer Science*, 1239:501–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arvind:1997:MSC

- [949] Arvind, A. Caro, J.-W. Maessen, and S. Aditya. A multithreaded substrate and compilation model for the implicitly parallel language pH. *Lecture Notes in Computer Science*, 1239:519–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kale:1997:TIP

- [950] L. V. Kale, J. Yelon, and T. Knauff. Threads for interoperable parallel programming. *Lecture Notes in Computer Science*, 1239:534–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hwang:1997:SEA

- [951] Y.-S. Hwang and J. Saltz. Side effect analysis on user-defined reduction functions with dynamic pointer-linked data structures. *Lecture Notes in Computer Science*, 1239:594–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Griebel:1997:LPL

- [952] M. Griebel and C. Lengauer. The loop parallelizer LooPo — announcement. *Lecture Notes in Computer Science*, 1239:603–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dechering:1997:GFC

- [953] P. F. G. Dechering, L. C. Breebaart, F. Kuijman, and C. Van Reeuwijk. A generalized forall concept for parallel languages. *Lecture Notes in Computer Science*, 1239:605–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeFelipe:1997:MB

- [954] J. De Felipe. Microcircuits in the brain. *Lecture Notes in Computer Science*, 1240:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alonso:1997:IBE

- [955] R. Alonso, I. Lopez-Coviella, F. Hernandez-Diaz, and P. Abreu. Interactions between environmental and hormonal oscillations induce plastic changes in a simple neuroendocrine transducer. *Lecture Notes in Computer Science*, 1240:72–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aleksandrovsky:1997:NNM

- [956] B. Aleksandrovsky, F. Bruecher, G. Lynch, and R. Granger. Neural network model of striatal complex. *Lecture Notes in Computer Science*, 1240:103–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anastasio:1997:SSO

- [957] T. J. Anastasio. Symmetry and self-organization of the oculo-motor neural integrator. *Lecture Notes in Computer Science*, 1240:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delgado-Garcia:1997:QNM

- [958] J. M. Delgado-Garcia, A. Gruart, J. A. Domingo, and J. A. Trigo. Quantal neural mechanisms underlying movement execution and motor learning. *Lecture Notes in Computer Science*, 1240:124–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andreu:1997:BBI

- [959] E. Andreu, R. Pomares, B. Soria, and J. V. Sanchez-Andres. Balance between intercellular coupling and input resistance as a necessary requirement for oscillatory electrical activity in pancreatic β -cells. *Lecture Notes in Computer Science*, 1240:146–153, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gonzalo:1997:AJG

- [960] I. Gonzalo. Allometry in the Justo Gonzalo’s model of the sensorial cortex. *Lecture Notes in Computer Science*, 1240:169–??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gimenez:1997:CPF

- [961] V. Gimenez, M. Perez-Castellanos, J. Rios Carrion, and F. De Mingo. Capacity and parasitic fixed points control in a recursive neural network. *Lecture Notes in Computer Science*, 1240:217–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hilario:1997:UPK

- [962] M. Hilario and A. Rida. The use of prior knowledge in neural network configuration and training. *Lecture Notes in Computer Science*, 1240:227–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coolen:1997:CBF

- [963] A. C. C. Coolen and L. Viana. Competition between feed-forward and lateral information processing in layered neural networks. *Lecture Notes in Computer Science*, 1240:257–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amari:1997:SAR

- [964] S.-I. Amari and N. Murata. Statistical analysis of regularization constant — from Bayes, MDL and NIC points of view. *Lecture Notes in Computer Science*, 1240:284–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

GarciaDelValle:1997:GNN

- [965] M. Garcia Del Valle, C. Garcia-Orellana, F. J. Lopez-Aligue, and

I. Acevedo-Sotoca. Generic neural network model and simulation toolkit. *Lecture Notes in Computer Science*, 1240:313–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feng:1997:VCN

- [966] J. Feng and D. Brown. Viewing a class of neurodynamics on parameter space. *Lecture Notes in Computer Science*, 1240:546–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joya:1997:HNN

- [967] G. Joya, M. A. Atencia, and F. Sandoval. Hopfield neural network applied to optimization problems: Some theoretical and simulation results. *Lecture Notes in Computer Science*, 1240:556–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gagne:1997:PTC

- [968] F. Gagne and C. Blaise. Predicting toxicity of complex mixtures by artificial neural networks. *Lecture Notes in Computer Science*, 1240:576–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grabec:1997:CCF

- [969] I. Grabec and S. Mandelj. Continuation of chaotic fields by RBFNN. *Lecture Notes in Computer Science*, 1240:597–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

China:1997:IPP

- [970] A. China, J. M. Moreno, J. Madrenas, and J. Cabestany. Improving the performance of piecewise linear separation incremental algorithms for practical hardware implementations. *Lecture Notes in Computer Science*, 1240:607–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bologna:1997:ADS

- [971] G. Bologna and C. Pellegrini. Accurate decomposition of standard MLP classification responses into symbolic rules. *Lecture Notes in Computer Science*, 1240:617–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guijarro-Berdinas:1997:HIS

- [972] B. Guijarro-Berdinas, A. Alonso-Betanzos, S. Prados-Mendez, and O. Fernandez-Chaves. A hybrid intelligent system for the preprocessing of fetal heart rate signals in antenatal testing. *Lecture Notes in Computer Science*, 1240:628–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coward:1997:PEA

- [973] L. A. Coward. The pattern extraction architecture: A connectionist alternative to the Von Neumann architecture. *Lecture Notes in Computer Science*, 1240:634–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

BarahonaDaFonseca:1997:CPS

- [974] J. Barahona Da Fonseca, I. Barahona Da Fonseca, and J. Simoes Da Fon-

seca. Cognitive processes in social interaction — A neural networks approach. *Lecture Notes in Computer Science*, 1240:660–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Corbacho:1997:SBL

- [975] F. J. Corbacho and M. A. Arbib. Schema-based learning: Biologically inspired principles of dynamic organization. *Lecture Notes in Computer Science*, 1240:678–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ienne:1997:DCH

- [976] P. Ienne. Digital connectionist hardware: Current problems and future challenges. *Lecture Notes in Computer Science*, 1240:688–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beiu:1997:TBS

- [977] V. Beiu and T. De Pauw. Tight bounds on the size of neural networks for classification problems. *Lecture Notes in Computer Science*, 1240:743–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Draghici:1997:PLP

- [978] S. Draghici and I. K. Sethi. On the possibilities of the limited precision weights neural networks in classification problems. *Lecture Notes in Computer Science*, 1240:753–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernier:1997:MBA

- [979] J. L. Bernier, J. Ortega, and A. Prieto. A modified backpropagation algorithm to tolerate weight errors. *Lecture Notes in Computer Science*, 1240:763–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asanovic:1997:FKN

- [980] K. Asanovic. A fast Kohonen net implementation for Spert-II. *Lecture Notes in Computer Science*, 1240:792–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Colodro:1997:HIC

- [981] F. Colodro, A. Torralba, R. Gonzalez, and L. G. Franquelo. A hardware implementation of CNNs based on pulse stream techniques. *Lecture Notes in Computer Science*, 1240:811–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Granado:1997:ECN

- [982] B. Granado and P. Garda. Evaluation of the CNAPS neuro-computer for the simulation of MLPs with receptive fields. *Lecture Notes in Computer Science*, 1240:817–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carvajal:1997:ATA

- [983] R. G. Carvajal, A. Torralba, F. Colodro, and L. G. Franquelo. AFAN, a tool for the automatic design of fuzzy and neural controllers. *Lecture Notes in Computer Science*, 1240:825–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Colodro:1997:FSF

- [984] F. Colodro, A. Torralba, R. Gonzalez, and L. G. Franquelo. A fully stochastic fuzzy logic controller. *Lecture Notes in Computer Science*, 1240:834–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chebira:1997:MNN

- [985] A. Chebira, K. Madani, and G. Mercier. Multi-neural networks hardware and software architecture: Application of the divide to simplify paradigm DTS. *Lecture Notes in Computer Science*, 1240:841–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cottrell:1997:KAP

- [986] M. Cottrell and P. Rousset. The Kohonen algorithm: A powerful tool for analyzing and representing multi-dimensional quantitative and qualitative data. *Lecture Notes in Computer Science*, 1240:861–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guerin-Dugue:1997:CNN

- [987] A. Guerin-Dugue, P. Teissier, J.-L. Schwartz, and J. Hérault. Constrained neural network for estimating sensor reliability in sensors fusion. *Lecture Notes in Computer Science*, 1240:872–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alvarez:1997:SLC

- [988] J. R. Alvarez. Structural level comparison of two basic paradigms in neural computation. *Lecture Notes in*

Computer Science, 1240:892–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barakova:1997:SBI

- [989] E. L. Barakova and I. Spaanenburg. Symmetry: Between indecision and equality of choice. *Lecture Notes in Computer Science*, 1240:903–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dopazo:1997:NTU

- [990] J. Dopazo, H. Wang, and J. M. Carazo. A new type of unsupervised growing neural network for biological sequence classification that adopts the topology of a phylogenetic tree. *Lecture Notes in Computer Science*, 1240:932–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Braithwaite:1997:COR

- [991] E. Braithwaite, J. Dripps, A. Lyon, and A. F. Murray. Classification of the onset of respiratory difficulties in ventilation assisted neonates. *Lecture Notes in Computer Science*, 1240:942–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Duro:1997:EBC

- [992] R. J. Duro and J. Santos. ECG beat classification with synaptic delay based artificial neural networks. *Lecture Notes in Computer Science*, 1240:962–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andrianasy:1997:NNB

- [993] F. Andrianasy and M. Milgram. Neural network-based insulin infusion control

for an insulin-pump, using discontinuous blood glucose measurements. *Lecture Notes in Computer Science*, 1240:971–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alonso-Betanzos:1997:CAN

- [994] A. Alonso-Betanzos, E. Mosquera-Rey, and B. Baldonado Del Rio. A comparative analysis of the neonatal prognosis problem using artificial neural networks, statistical techniques and certainty management techniques. *Lecture Notes in Computer Science*, 1240:995–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eckhorn:1997:MVP

- [995] R. Eckhorn. Models of visual processing derived from cortical microelectrode recordings. *Lecture Notes in Computer Science*, 1240:1005–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joya:1997:NNB

- [996] G. Joya and F. Sandoval. Neural networks based projectivity invariant recognition of flat patterns. *Lecture Notes in Computer Science*, 1240:1038–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferrandez:1997:BFE

- [997] J. M. Ferrandez, D. Del Valle, V. Rodellar, and P. Gomez. A biological front-end processing for speech recognition. *Lecture Notes in Computer Science*, 1240:1058–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

HernandezAbrego:1997:NPC

- [998] G. Hernandez Abrego, E. Monte, and J. B. Maritho. Non parametric coding of speech by means of a MLP with hints. *Lecture Notes in Computer Science*, 1240:1068–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Croll:1997:MFI

- [999] C. Croll, D. Pellerin, and J. Herault. Multidimensional filtering inspired by retino-cortical projection: Application to texture segmentation. *Lecture Notes in Computer Science*, 1240:1085–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yi:1997:NBI

- [1000] C.-H. Yi, R. Schlabbach, H. Kroth, and H. Klar. A new bio-inspired algorithm for early vision edge detection and image segmentation. *Lecture Notes in Computer Science*, 1240:1107–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ishii:1997:FBA

- [1001] N. Ishii and K.-I Naka. Function of biological asymmetrical neural networks. *Lecture Notes in Computer Science*, 1240:1115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofman:1997:ISF

- [1002] P. Hofman and J. Van Opstal. Identification of spectral features as sound localization cues in the external ear acoustics. *Lecture Notes in Computer*

Science, 1240:1126–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freitag:1997:PRM

- [1003] F. Freitag and E. Monte. Phoneme recognition by means of predictive neural networks. *Lecture Notes in Computer Science*, 1240:1136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Won:1997:SIF

- [1004] Y. Won, B.-H. Lee, Y.-C. Baek, and J.-S. Lee. Shift-invariant fuzzy-morphology neural network for occluded target recognition. *Lecture Notes in Computer Science*, 1240:1144–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faundez:1997:CSB

- [1005] M. Faundez, E. Monte, and F. Valverde. A comparative study between linear and nonlinear speech prediction. *Lecture Notes in Computer Science*, 1240:1154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalocsai:1997:RME

- [1006] P. Kalocsai. Recognition model with extension fields. *Lecture Notes in Computer Science*, 1240:1164–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brezmes:1997:AAN

- [1007] J. Brezmes, N. Canyellas, E. Llobet, and X. Vilanova. Application of artificial neural networks to the design and implementation of electronic olfactory

systems. *Lecture Notes in Computer Science*, 1240:1183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diaz:1997:SDR

- [1008] F. Diaz, J. M. Ferrandez, P. Gomez, and V. Rodellar. Spoken-digit recognition using self-organizing maps with perceptual pre-processing. *Lecture Notes in Computer Science*, 1240:1203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garcia-Berdones:1997:NQD

- [1009] C. Garcia-Berdones, J. Narvaez, U. Fernandez, and F. Sandoval. A new QRS detector based on neural network. *Lecture Notes in Computer Science*, 1240:1260–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bella:1997:ANN

- [1010] O. Bella, C. Cortes, and A. Tomas. Application of neural networks for local modelization of the boiler furnace in thermal power plants. *Lecture Notes in Computer Science*, 1240:1270–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hernandez-Arauzo:1997:ANN

- [1011] P. Hernandez-Arauzo, S. Lopez-Garcia, and A. Bahamonde. Artificial neural networks for the computation of traffic queues. *Lecture Notes in Computer Science*, 1240:1288–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Isasi-Vithuela:1997:UNN

- [1012] P. Isasi-Vithuela, J. M. Molina-Lopez, and A. Sanchis De Miguel. Un-supervised neural network for forecasting alarms in hydroelectric power plant. *Lecture Notes in Computer Science*, 1240:1298–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Felzer:1997:MSP

- [1013] T. Felzer, P. Hartmann, K. Hohm, and P. Marenbach. Motor sequence processing with an artificial learning system. *Lecture Notes in Computer Science*, 1240:1307–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cervera:1997:ISO

- [1014] E. Cervera and A. P. Del Poblil. Integration of self-organizing feature maps and reinforcement learning in robotics. *Lecture Notes in Computer Science*, 1240:1344–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iglesias:1997:IBR

- [1015] R. Iglesias, C. V. Regueiro, D. Correa, and S. Barro. Implementation of a basic reactive behavior in mobile robotics through artificial neural networks. *Lecture Notes in Computer Science*, 1240:1364–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeTremiolles:1997:VPM

- [1016] G. De Tremiolles, P. Tannhof, B. Plougouven, and C. Demarigny. Visual probe mark inspection, using hardware implementation of artificial neural

networks, in VLSI production. *Lecture Notes in Computer Science*, 1240:1374–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nygaard:1997:GAS

- [1017] Kristen Nygaard. GOODS to appear on the stage. *Lecture Notes in Computer Science*, 1241:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410001.pdf>.

Almeida:1997:BTC

- [1018] Paulo Sérgio Almeida. Balloon types: Controlling sharing of state in data types. *Lecture Notes in Computer Science*, 1241:32–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410032.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410032.pdf>.

Benzaken:1997:SIC

- [1019] Véronique Benzaken and Xavier Schaefer. Static integrity constraint management in object-oriented database programming languages via predicate transformers. *Lecture Notes in Computer Science*, 1241:60–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410060.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410060.pdf>.

<http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410060.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410060.pdf>.

Miller:1997:IEH

- [1020] Robert Miller and Anand Tripathi. Issues with exception handling in object-oriented systems. *Lecture Notes in Computer Science*, 1241:85–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410085.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410085.pdf>.

Bruce:1997:SGM

- [1021] Kim B. Bruce, Leaf Petersen, and Adrian Fiech. Subtyping is not a good “match” for object-oriented languages. *Lecture Notes in Computer Science*, 1241:104–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410104.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410104.pdf>.

Krall:1997:NOH

- [1022] Andreas Krall, Jan Vitek, and R. Nigel Horspool. Near optimal hierarchical encoding of types. *Lecture Notes in Computer Science*, 1241:128–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410128.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410128.pdf>.

bibs/1241/12410128.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410128.pdf>.

Liquori:1997:ETP

- [1023] Luigi Liquori. An extended theory of primitive objects: First order system. *Lecture Notes in Computer Science*, 1241:146–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410146.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410146.pdf>.

Lunau:1997:RAP

- [1024] Charlotte Pii Lunau. A reflective architecture for process control applications. *Lecture Notes in Computer Science*, 1241:170–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410170.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410170.pdf>.

Mezini:1997:DOE

- [1025] Mira Mezini. Dynamic object evolution without name collisions. *Lecture Notes in Computer Science*, 1241:190–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410190.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410190.pdf>.

<http://link.springer-ny.com/link/service/series/0558/papers/1241/12410190.pdf>.

Kiczales:1997:AOP

- [1026] Gregor Kiczales, John Lamping, Anurag Mendhekar, Chris Maeda, Cristina Lopes, Jean-Marc Loingtier, and John Irwin. Aspect-oriented programming. *Lecture Notes in Computer Science*, 1241:220–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410220.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410220.pdf>.

Evans:1997:DRT

- [1027] Huw Evans and Peter Dickman. DRASTIC: A run-time architecture for evolving, distributed, persistent systems. *Lecture Notes in Computer Science*, 1241:243–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410243.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410243.pdf>.

Holst:1997:GFI

- [1028] Wade Holst and Duane Szafron. A general framework for inheritance management and method dispatch in object-oriented languages. *Lecture Notes in Computer Science*, 1241:276–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410276.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410276.pdf>.

bibs/1241/12410276.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410276.pdf>.

Onodera:1997:OSS

- [1029] Tamiya Onodera and Hiroaki Nakamura. Optimizing Smalltalk by selector code indexing can be practical. *Lecture Notes in Computer Science*, 1241:302–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410302.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410302.pdf>.

Bicarregui:1997:OAS

- [1030] J. C. Bicarregui, K. C. Lano, and T. S. E. Maibaum. Objects, associations and subsystems: A hierarchical approach to encapsulation. *Lecture Notes in Computer Science*, 1241:324–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410324.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410324.pdf>.

Breu:1997:TFU

- [1031] Ruth Breu, Ursula Hinkel, Christoph Hofmann, Cornel Klein, Barbara Paech, Bernhard Rumpe, and Veronika Thurner. Towards a formalization of the unified modeling language. *Lecture Notes in Computer Science*, 1241:344–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (elec-

tronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410344.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410344.pdf>.

Puntigam:1997:CRE

- [1032] Franz Puntigam. Coordination requirements expressed in types for active objects. *Lecture Notes in Computer Science*, 1241:367–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410367.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410367.pdf>.

Drossopoulou:1997:JTS

- [1033] Sophia Drossopoulou and Susan Eisenbach. Java is type safe — probably. *Lecture Notes in Computer Science*, 1241:389–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410389.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410389.pdf>.

Prehofer:1997:FOP

- [1034] Christian Prehofer. Feature-oriented programming: A fresh look at objects. *Lecture Notes in Computer Science*, 1241:419–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410419.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410419.pdf>.

[//link.springer-ny.com/link/service/series/0558/papers/1241/12410419.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1241/12410419.pdf).

Thorup:1997:GJV

- [1035] Kresten Krab Thorup. Genericity in Java with virtual types. *Lecture Notes in Computer Science*, 1241:444–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410444.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410444.pdf>.

Florijn:1997:TSO

- [1036] Gert Florijn, Marco Meijers, and Pieter van Winsen. Tool support for object-oriented patterns. *Lecture Notes in Computer Science*, 1241:472–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410472.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410472.pdf>.

Meusel:1997:MSU

- [1037] Matthias Meusel, Krzysztof Czarnecki, and Wolfgang Köpf. A model for structuring user documentation of object-oriented frameworks using patterns and hypertext. *Lecture Notes in Computer Science*, 1241:496–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410496.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410496.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1241/12410496.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1241/12410496.pdf).

Odenthal:1997:UPD

- [1038] Georg Odenthal and Klaus Quibeldey-Cirkel. Using patterns for design and documentation. *Lecture Notes in Computer Science*, 1241:511–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410511.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410511.pdf>.

Gamma:1997:GBO

- [1039] Erich Gamma. Going beyond objects with design patterns. *Lecture Notes in Computer Science*, 1241:530–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1241/12410530.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1241/12410530.pdf>.

Anonymous:1997:AIb

- [1040] Anonymous. Author index. *Lecture Notes in Computer Science*, 1241:531–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1241/1241ind.pdf>.

Achtmann:1997:ABD

- [1041] K. Achtmann, K.-H. Doering, R. Herher, and G. Komp. An ATM-based

demonstration model for multimedia services using different access networks. *Lecture Notes in Computer Science*, 1242:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hussmann:1997:TBI

- [1042] H. Hussmann, F. J. Herrera, R. Pasquali, and P. Todorova. A transnational IN/B-ISDN integrated network for the provision of multimedia services. *Lecture Notes in Computer Science*, 1242:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johansson:1997:DYS

- [1043] B.-E. Johansson, M. Andreasson, H. Flinck, and M. Kalervo. Divide your systems to conquer the market. *Lecture Notes in Computer Science*, 1242:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cole:1997:DIM

- [1044] A. Cole, J. Robinson, and C. Athwal. The design and implementation of a multimedia system for the interactive and time-synchronised analysis of vehicle crash tests. *Lecture Notes in Computer Science*, 1242:79–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waddington:1997:RMD

- [1045] D. Waddington, C. Edwards, and D. Hutchison. Resource management for distributed multimedia applications. *Lecture Notes in Computer Science*, 1242:95–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Greenhalgh:1997:MNA

- [1046] C. Greenhalgh and S. Benford. A multicast network architecture for large scale collaborative virtual environments. *Lecture Notes in Computer Science*, 1242:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeHert:1997:CMA

- [1047] E. De Hert, R. Guarneri, S. Malmros, and K. Start. Consensus making activities in Europe: The example of multimedia in ACTS. *Lecture Notes in Computer Science*, 1242:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delaigle:1997:LCW

- [1048] J. F. Delaigle, C. De Vleeschouwer, F. Goffin, and B. Macq. Low cost watermarking based on a human visual model. *Lecture Notes in Computer Science*, 1242:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bessler:1997:DMA

- [1049] S. Bessler, M. Hager, H. Benz, and R. Mecklenburg. DIANE: A multimedia annotation system. *Lecture Notes in Computer Science*, 1242:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniazzi:1997:ART

- [1050] S. Antoniazzi, C. Ievola, E. Marcozzi, and R. Penzo. An authoring and runtime environment for interactive mul-

timedia services. *Lecture Notes in Computer Science*, 1242:245–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Badique:1997:TMC

- [1051] E. Badique and A. Barbagli. Tools for multimedia content creation, manipulation and management: The ACTS perspective. *Lecture Notes in Computer Science*, 1242:261–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Allan:1997:IDB

- [1052] R. Allan and C. Taylor. Interaction with digital broadcast services through a terrestrial return channel. *Lecture Notes in Computer Science*, 1242:277–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guirao:1997:WAI

- [1053] F. Guirao and L. Van Noorden. The work of ACTS in interactive distribution and transmission: Towards interoperable interactive multimedia services. *Lecture Notes in Computer Science*, 1242:309–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brelot:1997:OEM

- [1054] M. Brelot and G. Privat. Object encapsulation of multiscale image region representations. *Lecture Notes in Computer Science*, 1242:375–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartung:1997:CPV

- [1055] F. Hartung and B. Girod. Copyright protection in video delivery networks by watermarking of pre-compressed video. *Lecture Notes in Computer Science*, 1242:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Djeraba:1997:TIR

- [1056] C. Djeraba and H. Briand. Temporal and interactive relations in a multimedia database system. *Lecture Notes in Computer Science*, 1242:457–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christodoulakis:1997:KMI

- [1057] S. Christodoulakis, N. Pappas, G. Kyr-iakaki, and Y. Maragoudakis. The KY-DONIA multimedia information server. *Lecture Notes in Computer Science*, 1242:491–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hutchison:1997:CMI

- [1058] D. Hutchison, R. El-Marakby, and L. Mathy. A critique of modern Internet protocols: The issue of support for multimedia. *Lecture Notes in Computer Science*, 1242:507–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bolla:1997:CCS

- [1059] R. Bolla, M. Marchese, and S. Zappatore. A congestion control scheme for multimedia traffic in packet switching best-effort networks. *Lecture Notes in Computer Science*, 1242:523–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alfano:1997:URR

- [1060] M. Alfano. User requirements and resource control for cooperative multimedia applications. *Lecture Notes in Computer Science*, 1242:537–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeLang:1997:STT

- [1061] D. De Lang, P. Balsiger, H. Eggenhuisen, and P. Gardien. Swiss TopVision, the trial with interactive content. *Lecture Notes in Computer Science*, 1242:571–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harper:1997:CIC

- [1062] N. Harper. Consumer interactivity in cambridge. *Lecture Notes in Computer Science*, 1242:581–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carducci:1997:IPD

- [1063] F. Carducci and R. Giubilei. ISIS project — demonstration system and pilot trials. *Lecture Notes in Computer Science*, 1242:609–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoniazzi:1997:OSA

- [1064] S. Antoniazzi and G. Schapeler. An open software architecture for multimedia consumer terminals. *Lecture Notes in Computer Science*, 1242:621–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charlton:1997:UAM

- [1065] P. Charlton, F. Espinoza, E. Mamedani, and O. Olsson. Using an asset model for integration of agents and multimedia to provide an open service architecture. *Lecture Notes in Computer Science*, 1242:635–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zahariadis:1997:TNT

- [1066] T. Zahariadis, A. Dede, I. Maffett, and G. Stassinopoulos. Telelearning: New trends in education through global multimedia networks. *Lecture Notes in Computer Science*, 1242:681–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomez:1997:BTA

- [1067] E. J. Gomez, P. Cano, F. Del Pozo, and H. Rahms. The BONAPARTE telemedicine ATM multimedia applications. *Lecture Notes in Computer Science*, 1242:693–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Elbert:1997:MSP

- [1068] H. Elbert, J. Enssle, M. Frank, and H. Hessenmueller. Multimedia service provisioning in the Munich trial of the AMUSE project. *Lecture Notes in Computer Science*, 1242:739–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gunawardena:1997:RDM

- [1069] J. Gunawardena. Recent developments in the mathematics of reactive systems. *Lecture Notes in Computer Science*, 1243:1–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhat:1997:APO

Henriksen:1997:PVD

- [1070] J. G. Henriksen and P. S. Thiagarajan. A product version of dynamic linear time temporal logic. *Lecture Notes in Computer Science*, 1243:45–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1075] G. Bhat and D. Peled. Adding partial orders to linear temporal logic. *Lecture Notes in Computer Science*, 1243:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouajjani:1997:RAP

Abadi:1997:RAC

- [1071] M. Abadi and A. D. Gordon. Reasoning about cryptographic protocols in the Spi calculus. *Lecture Notes in Computer Science*, 1243:59–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1076] A. Bouajjani, J. Esparza, and O. Maler. Reachability analysis of pushdown automata: application to model-checking. *Lecture Notes in Computer Science*, 1243:135–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Busi:1997:SNI

Alur:1997:MTH

- [1072] R. Alur and T. A. Henzinger. Modularity for timed and hybrid systems. *Lecture Notes in Computer Science*, 1243:74–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1077] N. Busi and G. M. Pinna. Synthesis of nets with inhibitor arcs. *Lecture Notes in Computer Science*, 1243:151–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cleaveland:1997:ATM

Andersen:1997:URM

- [1073] H. R. Andersen, S. Moerk, and M. U. Soerensen. A universal reactive machine. *Lecture Notes in Computer Science*, 1243:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1078] R. Cleaveland, G. Luetzgen, and M. Mendler. An algebraic theory of multiple clocks. *Lecture Notes in Computer Science*, 1243:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrig:1997:HVS

Baeten:1997:BSB

- [1074] J. C. M. Baeten and J. A. Bergstra. Bounded stacks, bags and queues. *Lecture Notes in Computer Science*, 1243:104–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1079] H. Ehrig, R. Geisler, M. Klar, and J. Padberg. Horizontal and vertical structuring techniques for statecharts. *Lecture Notes in Computer Science*, 1243:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fournet:1997:ITM

- [1080] C. Fournet, C. Laneve, L. Maranget, and D. Remy. Implicit typing a la ML for the join-calculus. *Lecture Notes in Computer Science*, 1243:196–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fribourg:1997:PSP

- [1081] L. Fribourg and H. Olsen. Proving safety properties of infinite state systems by compilation into Presburger arithmetic. *Lecture Notes in Computer Science*, 1243:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:PCC

- [1082] V. Gupta, R. Jagadeesan, and V. Saraswat. Probabilistic concurrent constraint programming. *Lecture Notes in Computer Science*, 1243:243–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harel:1997:CVC

- [1083] D. Harel, O. Kupferman, and M. Y. Vardi. On the complexity of verifying concurrent transition systems. *Lecture Notes in Computer Science*, 1243:258–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henzinger:1997:FS

- [1084] T. A. Henzinger, O. Kupferman, and S. K. Rajamani. Fair simulation. *Lecture Notes in Computer Science*, 1243:273–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wimmel:1997:ACP

- [1085] H. Wimmel and L. Priese. Algebraic characterization of Petri net pomset semantics. *Lecture Notes in Computer Science*, 1243:406–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Appriou:1997:MDF

- [1086] A. Appriou. Multisensor data fusion in situation assessment processes. *Lecture Notes in Computer Science*, 1244:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bell:1997:DMR

- [1087] S. Bell. Dependency mining in relational databases. *Lecture Notes in Computer Science*, 1244:16–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benferhat:1997:SCU

- [1088] S. Benferhat, D. Dubois, and H. Prade. Syntactic combination of uncertain information: A possibilistic approach. *Lecture Notes in Computer Science*, 1244:30–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benferhat:1997:CBA

- [1089] S. Benferhat and L. Garcia. A coherence-based approach to default reasoning. *Lecture Notes in Computer Science*, 1244:43–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bison:1997:SAD

- [1090] P. Bison, G. Chemello, C. Sossai, and G. Trainito. A syntactical approach to

data fusion. *Lecture Notes in Computer Science*, 1244:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borgelt:1997:SER

- [1091] C. Borgelt and R. Kruse. Some experimental results on learning probabilistic and possibilistic networks with different evaluation measures. *Lecture Notes in Computer Science*, 1244:71–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cholvy:1997:IFL

- [1092] L. Cholvy and A. Hunter. Information fusion in logic: A brief overview. *Lecture Notes in Computer Science*, 1244:86–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubois:1997:FVB

- [1093] D. Dubois and H. Prade. Focusing vs. belief revision: A fundamental distinction when dealing with generic knowledge. *Lecture Notes in Computer Science*, 1244:96–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gebhardt:1997:BPP

- [1094] J. Gebhardt and R. Kruse. Background and perspectives of possibilistic graphical models. *Lecture Notes in Computer Science*, 1244:108–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Woods:1997:JHS

- [1095] J. Woods. Just how stupid is postmodernism? *Lecture Notes in Computer*

Science, 1244:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amgoud:1997:IPO

- [1096] L. Amgoud and C. Cayrol. Integrating preference orderings into argument-based reasoning. *Lecture Notes in Computer Science*, 1244:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anrig:1997:ABM

- [1097] B. Anrig, R. Haenni, J. Kohlas, and N. Lehmann. Assumption-based modeling using ABEL. *Lecture Notes in Computer Science*, 1244:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Besnard:1997:PQC

- [1098] P. Besnard, J.-M. Guinebault, and E. Mayer. Propositional quantification for conditional logic. *Lecture Notes in Computer Science*, 1244:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bissig:1997:FDA

- [1099] R. Bissig, J. Kohlas, and N. Lehmann. Fast-division architecture for Dempster-Shafer belief functions. *Lecture Notes in Computer Science*, 1244:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delechamp:1997:GMA

- [1100] J. Delechamp and B. Bouchon-Meunier. Graduality by means of analogical reasoning. *Lecture Notes in Computer Science*, 1244:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DupinDeSaint-Cyr:1997:RAU

- [1101] F. Dupin De Saint-Cyr and J. Lang. Reasoning about unpredicted change and explicit time. *Lecture Notes in Computer Science*, 1244:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1997:NES

- [1102] U. Egly and H. Tompits. Non-elementary speed-ups in default reasoning. *Lecture Notes in Computer Science*, 1244:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Engelfriet:1997:CRS

- [1103] J. Engelfriet and J. Treur. A compositional reasoning system for executing nonmonotonic theories of reasoning. *Lecture Notes in Computer Science*, 1244:252–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gabbay:1997:SBB

- [1104] D. Gabbay and O. Rodrigues. Structured belief bases: A practical approach to prioritised base revision. *Lecture Notes in Computer Science*, 1244:267–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Georgatos:1997:ERU

- [1105] K. Georgatos. Entrenchment relations: A uniform approach to nonmonotonicity. *Lecture Notes in Computer Science*, 1244:282–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heinemann:1997:MLR

- [1106] B. Heinemann. A modal logic for reasoning about knowledge and time on binary subset trees. *Lecture Notes in Computer Science*, 1244:298–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herzig:1997:HCF

- [1107] A. Herzig. How to change factual beliefs using laws and dependence information. *Lecture Notes in Computer Science*, 1244:311–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hunter:1997:UDL

- [1108] A. Hunter. Using default logic for lexical knowledge. *Lecture Notes in Computer Science*, 1244:322–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ibargueengoytia:1997:LAA

- [1109] P. H. Ibargueengoytia, S. Vadera, and L. E. Sucar. A layered, anytime approach to sensor validation. *Lecture Notes in Computer Science*, 1244:336–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jitnah:1997:TFA

- [1110] N. Jitnah and A. Nicholson. treeNets: A framework for anytime evaluation of belief networks. *Lecture Notes in Computer Science*, 1244:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kern-Isberner:1997:LSM

- [1111] G. Kern-Isberner. A logically sound method for uncertain reasoning with quantified conditionals. *Lecture Notes in Computer Science*, 1244:365–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Voorbraak:1997:CEU

- [1112] F. Voorbraak. Combining evidence under partial ignorance. *Lecture Notes in Computer Science*, 1244:574–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weydert:1997:RDQ

- [1113] E. Weydert. Rational default quantifier logic. *Lecture Notes in Computer Science*, 1244:589–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:DUM

- [1114] Y. Zhang. Disjunctive update, minimal change, and default reasoning. *Lecture Notes in Computer Science*, 1244:600–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Demolombe:1997:TUL

- [1115] R. Demolombe, A. J. I. Jones, and J. Carmo. Toward a uniform logical representation of different kinds of integrity constraints. *Lecture Notes in Computer Science*, 1244:614–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carmo:1997:TIP

- [1116] R. M. L. R. Carmo, L. R. De Carvalho, E. De Souza e. Silva, and M. C.

Diniz. TANGRAM-II: A performativity modeling environment tool. *Lecture Notes in Computer Science*, 1245:6–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeMeer:1997:PDE

- [1117] H. De Meer and H. Sevcikova. PENELOPE: Dependability evaluation and the optimization of performativity. *Lecture Notes in Computer Science*, 1245:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciardo:1997:SAL

- [1118] G. Ciardo and A. S. Miner. Storage alternatives for large structured state spaces. *Lecture Notes in Computer Science*, 1245:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Deavours:1997:EDB

- [1119] D. D. Deavours and W. H. Sanders. An efficient disk-based tool for solving very large Markov models. *Lecture Notes in Computer Science*, 1245:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernat:1997:ETO

- [1120] G. Bernat, A. Burns, and A. Llamasi. Efficient transient overload tests for real-time systems. *Lecture Notes in Computer Science*, 1245:72–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hasslinger:1997:TAT

- [1121] G. Hasslinger. Towards an analytical tool for performance modeling of ATM networks by decomposition. *Lecture*

Notes in Computer Science, 1245:83–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conway:1997:STW

- [1122] A. E. Conway, S. B. Moon, and P. Skelly. Synchronized two-way voice simulation for Internet phone performance analysis and evaluation. *Lecture Notes in Computer Science*, 1245:108–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

German:1997:SPL

- [1123] R. German. SPNL: Processes as language-oriented building blocks of stochastic Petri nets. *Lecture Notes in Computer Science*, 1245:123–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dilley:1997:MTM

- [1124] J. Dilley, R. Friedrich, T. Jin, and J. Rolia. Measurement tools and modeling techniques for evaluating WEB server performance. *Lecture Notes in Computer Science*, 1245:155–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Braun:1997:IBW

- [1125] M. Braun and G. Kotsis. Interval based workload characterization for distributed systems. *Lecture Notes in Computer Science*, 1245:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fourneau:1997:BLR

- [1126] J.-M. Fourneau, L. Mokdad, and N. Pekergin. Bounding the loss rates

in a multistage ATM switch. *Lecture Notes in Computer Science*, 1245:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balsamo:1997:QLM

- [1127] S. Balsamo and I. Mura. On queue length moments in fork and join queuing networks with general service times. *Lecture Notes in Computer Science*, 1245:218–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barnes:1997:ARL

- [1128] John G. P. Barnes. Ada 95 rationale: the language, the standard libraries. *Lecture Notes in Computer Science*, 1247:xii + 458, 1997. CODEN LNCSD9. ISBN 3-540-63143-7. ISSN 0302-9743 (print), 1611-3349 (electronic). Document to accompany the new Ada standard, officially ISO/IEC 8652: 1995.

Esparza:1997:MCL

- [1129] J. Esparza and S. Melzer. Model checking LTL using constraint programming. *Lecture Notes in Computer Science*, 1248:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Habermehl:1997:CLT

- [1130] P. Habermehl. On the complexity of the linear-time μ -calculus for Petri nets. *Lecture Notes in Computer Science*, 1248:102–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fraczak:1997:IIN

- [1131] W. Fraczak and E. Pelz. Improved implementations via a new structural equivalence on labelled nets. *Lecture Notes in Computer Science*, 1248:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aura:1997:TPT

- [1132] T. Aura and J. Lilius. Time processes for time Petri nets. *Lecture Notes in Computer Science*, 1248:136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haddad:1997:EHP

- [1133] S. Haddad, P. Moreaux, and G. Chiola. Efficient handling of phase-type distributions in generalized stochastic Petri nets. *Lecture Notes in Computer Science*, 1248:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bause:1997:APN

- [1134] F. Bause. Analysis of Petri nets with a dynamic priority method. *Lecture Notes in Computer Science*, 1248:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christensen:1997:TCP

- [1135] S. Christensen and K. H. Mortensen. Teaching coloured Petri nets — A gentle introduction to formal methods in a distributed systems course. *Lecture Notes in Computer Science*, 1248:290–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boubour:1997:FDT

- [1136] R. Boubour and C. Jard. Fault detection in telecommunication networks based on Petri net representation of alarm propagation. *Lecture Notes in Computer Science*, 1248:367–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christensen:1997:ABO

- [1137] S. Christensen and J. B. Jørgensen. Analysing Bang and Olufsen’s BeoLink[R] audio/video system using coloured Petri nets. *Lecture Notes in Computer Science*, 1248:387–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Best:1997:OTC

- [1138] E. Best and T. Thielke. Orthogonal transformations for coloured Petri nets. *Lecture Notes in Computer Science*, 1248:447–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1997:CSM

- [1139] W.-T. Wu. The char-set method and its applications to automated reasoning. *Lecture Notes in Computer Science*, 1249:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durand:1997:DCN

- [1140] I. Durand and A. Middeldorp. Decidable call by need computations in term rewriting. *Lecture Notes in Computer Science*, 1249:4–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baader:1997:NAC

- [1141] F. Baader and C. Tinelli. A new approach for combining decision procedures for the word problem, and its connection to the Nelson-Oppen combination method. *Lecture Notes in Computer Science*, 1249:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonacina:1997:CDT

- [1142] M. P. Bonacina. The clause-diffusion theorem prover peers-mcd. *Lecture Notes in Computer Science*, 1249:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dahn:1997:IAI

- [1143] B. I. Dahn, J. Gehne, T. Honigmann, and A. Wolf. Integration of automated and interactive theorem proving in ILF. *Lecture Notes in Computer Science*, 1249:57–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolf:1997:ISP

- [1144] A. Wolf and J. Schumann. ILF-SETHEO: Processing model elimination proofs for natural language output. *Lecture Notes in Computer Science*, 1249:61–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1997:SGS

- [1145] B. Fischer and J. Schumann. SETHEO goes software engineering: Application of ATP to software reuse. *Lecture Notes in Computer Science*, 1249:65–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Yang:1997:PSA

- [1146] L. Yang, H. Fu, and Z. Zeng. A practical symbolic algorithm for the inverse kinematics of 6R manipulators with simple geometry. *Lecture Notes in Computer Science*, 1249:73–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bjoerner:1997:PIF

- [1147] N. S. Bjoerner, M. E. Stickel, and T. E. Uribe. A practical integration of first-order reasoning and decision procedures. *Lecture Notes in Computer Science*, 1249:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1997:SPL

- [1148] U. Egly. Some pitfalls of LK-to-LJ translations and how to avoid them. *Lecture Notes in Computer Science*, 1249:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwanuma:1997:LMP

- [1149] K. Iwanuma. Lemma matching for a PTTP-based top-down theorem prover. *Lecture Notes in Computer Science*, 1249:146–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hasegawa:1997:NHM

- [1150] R. Hasegawa, K. Inoue, Y. Ohta, and M. Koshimura. Non-Horn magic sets to incorporate top-down inference into bottom-up theorem proving. *Lecture*

Notes in Computer Science, 1249:176–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harland:1997:RDB

- [1151] J. Harland and D. Pym. Resource-distribution via Boolean constraints. *Lecture Notes in Computer Science*, 1249:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cryan:1997:CNF

- [1152] M. Cryan and A. Ramsay. Constructing a normal form for property theory. *Lecture Notes in Computer Science*, 1249:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Benzmueller:1997:OTM

- [1153] C. Benzmueller, L. Cheikhrouhou, D. Fehrer, and A. Fiedler. omegaMEGA: Towards a mathematical assistant. *Lecture Notes in Computer Science*, 1249:252–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuchs:1997:CPP

- [1154] D. Fuchs and M. Fuchs. CODE: A powerful prover for problems of condensed detachment. *Lecture Notes in Computer Science*, 1249:260–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giunchiglia:1997:NMT

- [1155] F. Giunchiglia, M. Roveri, and R. Sebastiani. A new method for testing decision procedures in modal logics. *Lecture Notes in Computer Science*, 1249:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

ence, 1249:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:SEP

- [1156] H. Zhang. SATO: An efficient propositional prover. *Lecture Notes in Computer Science*, 1249:272–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dennis:1997:UGC

- [1157] L. Dennis, A. Bundy, and I. Green. Using a generalisation critic to find bisimulations for coinductive proofs. *Lecture Notes in Computer Science*, 1249:276–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hutter:1997:CVL

- [1158] D. Hutter and M. Kohlhase. A colored version of the lambda-calculus. *Lecture Notes in Computer Science*, 1249:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ganzinger:1997:STO

- [1159] H. Ganzinger, C. Meyer, and C. Weidenbach. Soft typing for ordered resolution. *Lecture Notes in Computer Science*, 1249:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeNivelle:1997:CNL

- [1160] H. De Nivelle. A classification of non-liftable orders for resolution. *Lecture Notes in Computer Science*, 1249:336–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Felty:1997:HIT

- [1161] A. P. Felty and D. J. Howe. Hybrid interactive theorem proving using Nuprl and HOL. *Lecture Notes in Computer Science*, 1249:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eastaughffe:1997:PTT

- [1162] K. A. Eastaughffe, M. A. Ozols, and A. Cant. Proof tactics for a theory of state machines in a graphical environment. *Lecture Notes in Computer Science*, 1249:366–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VonOheimb:1997:RMS

- [1163] D. Von Oheimb and T. F. Gritzner. RALL: Machine-supported proofs for relation algebra. *Lecture Notes in Computer Science*, 1249:380–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hickey:1997:NLI

- [1164] J. J. Hickey. Nuprl-Light: An implementation framework for higher-order logics. *Lecture Notes in Computer Science*, 1249:395–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kettner:1997:TBS

- [1165] M. Kettner and N. Eisinger. The tableau browser SNARKS. *Lecture Notes in Computer Science*, 1249:408–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bornat:1997:JCA

- [1166] R. Bornat and B. Sufrin. Jape: A calculator for animating proof-on-paper. *Lecture Notes in Computer Science*, 1249:412–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuchs:1997:EC

- [1167] M. Fuchs. Evolving combinators. *Lecture Notes in Computer Science*, 1249:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Defourneaux:1997:PMA

- [1168] G. Defourneaux and N. Peltier. Partial matching for analogy discovery in proofs and counter-examples. *Lecture Notes in Computer Science*, 1249:431–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ehrensberger:1997:DSD

- [1169] J. Ehrensberger and C. Zinn. DIALOG: A system for dialogue logic. *Lecture Notes in Computer Science*, 1249:446–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ceri:1997:SIM

- [1170] S. Ceri and P. Fraternali. The story of the IDEA methodology. *Lecture Notes in Computer Science*, 1250:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wieringa:1997:ISF

- [1171] R. Wieringa, E. Dubois, and S. Huyts. Integrating semi-formal and formal re-

quirements. *Lecture Notes in Computer Science*, 1250:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diaz:1997:SBP

- [1172] O. Diaz and N. W. Paton. Stimuli and business policies as modelling constructs: Their definition and validation through the event calculus. *Lecture Notes in Computer Science*, 1250:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Filippidou:1997:USV

- [1173] D. Filippidou and P. Loucopoulos. Using scenarios to validate requirements in a plausibility-centred approach. *Lecture Notes in Computer Science*, 1250:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jajodia:1997:ISB

- [1174] S. Jajodia, I. Ray, and P. Ammann. Implementing semantic-based decomposition of transactions. *Lecture Notes in Computer Science*, 1250:75–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Castano:1997:MPF

- [1175] S. Castano and V. De Antonellis. A multi-perspective framework for the analysis of legacy information systems. *Lecture Notes in Computer Science*, 1250:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carrico:1997:FAD

- [1176] L. Carrico and N. Guimaraes. Facilitating analysis and diagnosis in organisations. *Lecture Notes in Computer Science*, 1250:131–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Altmeyer:1997:AGB

- [1177] J. Altmeyer, J. P. Riegel, B. Schuermann, and M. Schuetze. Application of a generator-based software development method supporting model reuse. *Lecture Notes in Computer Science*, 1250:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brataas:1997:PEH

- [1178] G. Brataas, P. H. Hughes, and A. Sølberg. Performance engineering of human and computerised workflows. *Lecture Notes in Computer Science*, 1250:187–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ebert:1997:MCP

- [1179] J. Ebert, R. Suettenbach, and I. Uhe. Meta-CASE in practice: A case for KOGGE. *Lecture Notes in Computer Science*, 1250:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaipala:1997:ACT

- [1180] J. Kaipala. Augmenting CASE tools with hypertext: Desired functionality and implementation issues. *Lecture Notes in Computer Science*, 1250:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

FalcaoGoncalves:1997:DNP

- [1181] P. Falcao Goncalves, A. C. Salgado, and S. Lemos Meira. Digital neighbourhoods: Partitioning the Web for information indexing and searching. *Lecture Notes in Computer Science*, 1250:289–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dominguez:1997:CAM

- [1182] E. Dominguez, M. A. Zapata, and J. Rubio. A conceptual approach to meta-modelling. *Lecture Notes in Computer Science*, 1250:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cathala:1997:PBW

- [1183] F. Cathala and P. Poncelet. Preserving behaviour: Why and how. *Lecture Notes in Computer Science*, 1250:333–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bichler:1997:WT

- [1184] P. Bichler, G. Preuner, and M. Schrefl. Workflow transparency. *Lecture Notes in Computer Science*, 1250:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barros:1997:TRS

- [1185] A. P. Barros, A. H. M. Ter Hofstede, and H. A. Proper. Towards real-scale business transaction workflow modelling. *Lecture Notes in Computer Science*, 1250:437–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holzmueller:1997:FUA

- [1186] B. Holzmueller and E. Ploedereder. Finite unions for Ada 95. *Lecture Notes in Computer Science*, 1251:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baker:1997:ABC

- [1187] T. P. Baker and D. I. Oh. Ada bindings for C interfaces: Lessons learned from the Florist Implementation. *Lecture Notes in Computer Science*, 1251:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feldman:1997:ASR

- [1188] M. B. Feldman. An Ada 95 sort race construction set. *Lecture Notes in Computer Science*, 1251:23–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cooling:1997:CAT

- [1189] J. E. Cooling, N. Duff, and J. Cooling. Computer aided teaching of programming languages: An Ada-specific development. *Lecture Notes in Computer Science*, 1251:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dupouy:1997:SP

- [1190] B. Dupouy, O. Hainque, L. Pautet, and S. Tardieu. The SPIF project. *Lecture Notes in Computer Science*, 1251:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jovanovic:1997:DSC

- [1191] S. S. Jovanovic, D. M. Sotirovski, and P. Van Aswegen. Developing scripting capabilities for an Ada-based simulator. *Lecture Notes in Computer Science*, 1251:56–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wegener:1997:SUT

- [1192] J. Wegener and I. Fey. Systematic unit-testing of Ada programs. *Lecture Notes in Computer Science*, 1251:64–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Franch:1997:INF

- [1193] X. Franch. Including non-functional issues in Anna/Ada programs for automatic implementation selection. *Lecture Notes in Computer Science*, 1251:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yeung:1997:SBS

- [1194] W. L. Yeung. Semantics-based support tools for high integrity Ada software. *Lecture Notes in Computer Science*, 1251:100–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bell:1997:ATA

- [1195] A. E. Bell. An alternative toolset for analysis of Ada programs. *Lecture Notes in Computer Science*, 1251:112–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

GonzalezHarbour:1997:IAL

- [1196] M. Gonzalez Harbour, J. J. Gutierrez Garcia, and J. C. Palencia Gutierrez. Implementing application-level sporadic server schedulers in Ada 95. *Lecture Notes in Computer Science*, 1251:125–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wellings:1997:TTA

- [1197] A. J. Wellings, A. Burns, and O. Pazy. Task termination in Ada 95. *Lecture Notes in Computer Science*, 1251:149–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gellerich:1997:PIA

- [1198] W. Gellerich and E. Ploedereder. Parameter-induced aliasing and related problems can be avoided. *Lecture Notes in Computer Science*, 1251:161–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheung:1997:TIS

- [1199] K. S. Cheung, K. O. Chow, and T. Y. Cheung. Towards an integration of syntactic constructs and structural features for formalised object-oriented methods. *Lecture Notes in Computer Science*, 1251:173–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

English:1997:DI

- [1200] J. English. The dangers of inheritance. *Lecture Notes in Computer Science*, 1251:185–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Celier:1997:CDC

- [1201] V. M. Celier, D. Sotirovski, and C. J. Thompson. Code-data consistency in Ada. *Lecture Notes in Computer Science*, 1251:209–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guerra:1997:ALP

- [1202] F. Guerra, J. Miranda, A. Alvarez, and S. Arevalo. An Ada library to program fault-tolerant distributed applications. *Lecture Notes in Computer Science*, 1251:230–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobbing:1997:STS

- [1203] B. Dobbing and M. Richard-Foy. T-smart — task-safe, minimal Ada real-time toolset. *Lecture Notes in Computer Science*, 1251:244–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Waterman:1997:TTA

- [1204] S. R. Waterman. Techniques for testing Ada 95. *Lecture Notes in Computer Science*, 1251:278–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weickert:1997:RND

- [1205] J. Weickert. A review of nonlinear diffusion filtering. *Lecture Notes in Computer Science*, 1252:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caselles:1997:SSV

- [1206] V. Caselles, B. Coll, and J.-M. Morel. Scale-space versus topographic map

for natural images. *Lecture Notes in Computer Science*, 1252:29–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalitzin:1997:IOB

- [1207] S. N. Kalitzin, B. M. Ter Haar Romeny, and M. A. Viergever. Invertible orientation bundles on 2D scalar images. *Lecture Notes in Computer Science*, 1252:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bretzner:1997:HST

- [1208] L. Bretzner and T. Lindeberg. On the handling of spatial and temporal scales in feature tracking. *Lecture Notes in Computer Science*, 1252:128–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fidrich:1997:FFL

- [1209] M. Fidrich. Following feature lines across scale. *Lecture Notes in Computer Science*, 1252:140–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beckman:1997:SDP

- [1210] F. J. Beckman, E. T. P. Slijpen, and W. J. Niessen. Supervised diffusion parameter selection for filtering SPECT brain images. *Lecture Notes in Computer Science*, 1252:164–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Furst:1997:ILR

- [1211] J. D. Furst, R. S. Keller, J. E. Miller, and S. M. Pizer. Image loci are ridges in geometric spaces. *Lecture Notes in Computer Science*, 1252:176–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coulon:1997:MML

- [1212] O. Coulon, I. Bloch, V. Frouin, and J.-F. Mangin. Multiscale measures in linear scale-space for characterizing cerebral functional activations in 3D PET difference images. *Lecture Notes in Computer Science*, 1252:188–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arridge:1997:MSP

- [1213] S. R. Arridge and A. Simmons. Multi-spectral probabilistic diffusion using Bayesian classification. *Lecture Notes in Computer Science*, 1252:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weickert:1997:RSS

- [1214] J. Weickert. Recursive separable schemes for nonlinear diffusion filters. *Lecture Notes in Computer Science*, 1252:260–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faugeras:1997:LSM

- [1215] O. Faugeras and R. Keriven. Level set methods and the stereo problem. *Lecture Notes in Computer Science*, 1252:272–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abbasi:1997:RCC

- [1216] S. Abbasi, F. Mokhtarian, and J. Kittler. Reliable classification of chrysanthemum leaves through curvature scale space. *Lecture Notes in Computer Science*, 1252:284–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berkner:1997:RSS

- [1217] K. Berkner. Reconstruction of self-similar functions from scale-space. *Lecture Notes in Computer Science*, 1252:311–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hontani:1997:MSD

- [1218] H. Hontani and K. Deguchi. Multi-scale detection of characteristic figure structures using principal curvatures of image gray-level profile. *Lecture Notes in Computer Science*, 1252:315–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bajcsy:1997:NFH

- [1219] P. Bajcsy and N. Ahuja. A new framework for hierarchical segmentation using similarity analysis. *Lecture Notes in Computer Science*, 1252:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Black:1997:RAD

- [1220] M. J. Black, G. Sapiro, D. Marimont, and D. Heeger. Robust anisotropic diffusion: connections between robust statistics, line processing, and anisotropic diffusion. *Lecture Notes in Computer Science*, 1252:323–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischl:1997:FAA

- [1221] B. Fischl and E. L. Schwartz. Fast adaptive alternatives to nonlinear diffusion in image enhancement: Green's

function approximators and nonlocal filters. *Lecture Notes in Computer Science*, 1252:327–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Forte:1997:SSA

- [1222] P. Forte and D. Greenhill. A scale-space approach to shape similarity. *Lecture Notes in Computer Science*, 1252:333–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harvey:1997:SSF

- [1223] R. Harvey, J. A. Bangham, and A. Bosson. Scale-space filters and their robustness. *Lecture Notes in Computer Science*, 1252:341–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Imiya:1997:ESF

- [1224] A. Imiya and R. Katsuta. Extraction of a structure feature from three-dimensional objects by scale-space analysis. *Lecture Notes in Computer Science*, 1252:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kacur:1997:SAD

- [1225] J. Kacur and K. Mikula. Slowed anisotropic diffusion. *Lecture Notes in Computer Science*, 1252:357–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Armande:1997:TNE

- [1226] N. Armande, P. Montesinos, and O. Monga. Thin nets extraction using a multi-scale approach. *Lecture Notes in Computer Science*, 1252:361–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Argueello:1997:PMB

- [1227] F. Argueello, N. Guil, J. Lopez, and M. Amor. A probabilistic model for best-first search B and B algorithms. *Lecture Notes in Computer Science*, 1253:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buecker:1997:VBG

- [1228] H. M. Buecker and M. Sauren. A variant of the biconjugate gradient method suitable for massively parallel computing. *Lecture Notes in Computer Science*, 1253:72–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:EIIa

- [1229] T. Yang and H.-X. Lin. Efficient implementation of the improved quasi-minimal residual method on massively distributed memory computers. *Lecture Notes in Computer Science*, 1253:80–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobson:1997:PSD

- [1230] S. Dobson and D. Goodeve. Programming with shared data abstractions. *Lecture Notes in Computer Science*, 1253:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diekmann:1997:EDL

- [1231] R. Diekmann, S. Muthukrishnan, and M. V. Nayakkankuppam. Engineering diffusive load balancing algorithms

using experiments. *Lecture Notes in Computer Science*, 1253:111–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1997:NAA

- [1232] K. Jansen and J. Reiter. A new approximation algorithm for the register allocation problem. *Lecture Notes in Computer Science*, 1253:135–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Decker:1997:VDS

- [1233] T. Decker. Virtual data space — A universal load balancing scheme. *Lecture Notes in Computer Science*, 1253:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Allmaier:1997:PSM

- [1234] S. C. Allmaier and G. Horton. Parallel shared-memory state-space exploration in stochastic modeling. *Lecture Notes in Computer Science*, 1253:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Formella:1997:PSC

- [1235] A. Formella and J. Keller. Parallel software caches. *Lecture Notes in Computer Science*, 1253:219–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baeumker:1997:CEP

- [1236] A. Baeumker and F. Meyer auf der Heide. Communication efficient parallel searching. *Lecture Notes in Computer Science*, 1253:233–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hughes:1997:FVD

- [1237] R. B. Hughes. Formal verification of digital systems, from ASICs to HW/SW codesign — a pragmatic approach. *Lecture Notes in Computer Science*, 1254:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boraelv:1997:ISV

- [1238] A. Boraelv. The industrial success of verification tools based on Stalmarck's method. *Lecture Notes in Computer Science*, 1254:7–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaivola:1997:UCP

- [1239] R. Kaivola. Using compositional preorders in the verification of sliding window protocol. *Lecture Notes in Computer Science*, 1254:48–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cyrluk:1997:EDP

- [1240] D. Cyrluk, O. Moeller, and H. Ruess. An efficient decision procedure for the theory of fixed-sized bit-vectors. *Lecture Notes in Computer Science*, 1254:60–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Graf:1997:CAS

- [1241] S. Graf and H. Saidi. Construction of abstract state graphs with PVS. *Lecture Notes in Computer Science*, 1254:72–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kamhi:1997:ADE

- [1242] G. Kamhi, O. Weissberg, L. Fix, and Z. Binyamini. Automatic datapath extraction for efficient usage of HDD. *Lecture Notes in Computer Science*, 1254:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baier:1997:WBF

- [1243] C. Baier and H. Hermanns. Weak bisimulation for fully probabilistic processes. *Lecture Notes in Computer Science*, 1254:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bolignano:1997:TMC

- [1244] D. Bolignano. Towards a mechanization of cryptographic protocol verification. *Lecture Notes in Computer Science*, 1254:131–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fisler:1997:CRL

- [1245] K. Fisler. Containment of regular languages in non-regular timing diagram languages is decidable. *Lecture Notes in Computer Science*, 1254:155–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boigelot:1997:IRA

- [1246] B. Boigelot, L. Bronne, and S. Rasmart. An improved reachability analysis method for strongly linear hybrid systems. *Lecture Notes in Computer Science*, 1254:167–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bozga:1997:SPS

- [1247] M. Bozga, O. Maler, A. Pnueli, and S. Yovine. Some progress in the symbolic verification of timed automata. *Lecture Notes in Computer Science*, 1254:179–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cimatti:1997:PCE

- [1248] A. Cimatti, F. Giunchiglia, P. Pecchiari, and B. Pietra. A provably correct embedded verifier for the certification of safety critical software. *Lecture Notes in Computer Science*, 1254:202–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barrett:1997:MCM

- [1249] G. Barrett and A. McIssac. Model checking in a microprocessor design project. *Lecture Notes in Computer Science*, 1254:214–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harel:1997:STS

- [1250] D. Harel. Some thoughts on statecharts, 13 years later. *Lecture Notes in Computer Science*, 1254:226–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gyuris:1997:FMC

- [1251] V. Gyuris and A. P. Sistla. On-the-fly model checking under fairness that exploits symmetry. *Lecture Notes in Computer Science*, 1254:232–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hardin:1997:NHB

- [1252] R. H. Hardin, R. P. Kurshan, S. K. Shukla, and M. Y. Vardi. A new heuristic for bad cycle detection using BDDs. *Lecture Notes in Computer Science*, 1254:268–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beer:1997:EDV

- [1253] I. Beer, S. Ben-David, U. Eisner, and Y. Rodeh. Efficient detection of vacuity in ACTL formulas. *Lecture Notes in Computer Science*, 1254:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Immerman:1997:MCT

- [1254] N. Immerman and M. Y. Vardi. Model checking and transitive-closure logic. *Lecture Notes in Computer Science*, 1254:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berry:1997:BAN

- [1255] G. Berry. Boolean and 2-adic numbers based techniques for verifying synchronous designs. *Lecture Notes in Computer Science*, 1254:303–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cece:1997:PQS

- [1256] G. Cece and A. Finkel. Programs with quasi-stable channels are effectively recognizable. *Lecture Notes in Computer Science*, 1254:304–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chan:1997:CCS

- [1257] W. Chan, R. Anderson, P. Beame, and D. Notkin. Combining constraint solving and symbolic model checking for a class of systems with non-linear constraints. *Lecture Notes in Computer Science*, 1254:316–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alur:1997:POR

- [1258] R. Alur, R. K. Brayton, T. A. Henzinger, and S. Qadeer. Partial-order reduction in symbolic state space exploration. *Lecture Notes in Computer Science*, 1254:340–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yuan:1997:CFI

- [1259] J. Yuan, J. Shen, J. Abraham, and A. Aziz. On combining formal and informal verification. *Lecture Notes in Computer Science*, 1254:376–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bultan:1997:SMC

- [1260] T. Bultan, R. Gerber, and W. Pugh. Symbolic model checking of infinite state systems using Presburger arithmetic. *Lecture Notes in Computer Science*, 1254:400–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kesten:1997:SMC

- [1261] Y. Kesten, O. Maler, M. Marcus, and A. Pnueli. Symbolic model checking with rich assertional languages. *Lecture Notes in Computer Science*, 1254:424–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Grahlmann:1997:PT

- [1262] B. Grahlmann. The PEP tool. *Lecture Notes in Computer Science*, 1254:440–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kelb:1997:MSE

- [1263] P. Kelb, T. Margaria, M. Mendler, and C. Gsottberger. MOSEL: A sound and efficient tool for M2L(Str). *Lecture Notes in Computer Science*, 1254:448–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Campos:1997:VTQ

- [1264] S. Campos, E. Clarke, and M. Minea. The Verus tool: A quantitative approach to the formal verification of real-time systems. *Lecture Notes in Computer Science*, 1254:452–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henzinger:1997:HMC

- [1265] T. A. Henzinger, P.-H. Ho, and H. Wong-Toi. HYTECH: A model checker for hybrid systems. *Lecture Notes in Computer Science*, 1254:460–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biere:1997:MEM

- [1266] A. Biere. mucke — efficient mu-calculus model checking. *Lecture Notes in Computer Science*, 1254:468–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Godefroid:1997:VTA

- [1267] P. Godefroid. VeriSoft: A tool for the automatic analysis of concurrent reactive software. *Lecture Notes in Computer Science*, 1254:476–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beer:1997:RMC

- [1268] I. Beer, S. Ben-David, C. Eisner, and D. Geist. RuleBase: Model checking at IBM. *Lecture Notes in Computer Science*, 1254:480–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barg:1997:MDD

- [1269] A. Barg. Minimum distance decoding algorithms for linear codes. *Lecture Notes in Computer Science*, 1255:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernardin:1997:EMF

- [1270] L. Bernardin and M. B. Monagan. Efficient multivariate factorization over finite fields. *Lecture Notes in Computer Science*, 1255:15–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boyvalenkov:1997:MCP

- [1271] P. Boyvalenkov and D. Danev. On maximal codes in polynomial metric spaces. *Lecture Notes in Computer Science*, 1255:29–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caboara:1997:YAI

- [1272] M. Caboara, P. Conti, and C. Traverso. Yet another ideal decomposition algo-

rithm. *Lecture Notes in Computer Science*, 1255:39–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

CarraFerro:1997:RTO

- [1273] G. Carra Ferro. A resultant theory for ordinary algebraic differential equations. *Lecture Notes in Computer Science*, 1255:55–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Costa:1997:SGZ

- [1274] S. R. Costa, J. R. Geronimo, R. Palazzo, and J. C. Interlando. The symmetry group of Z_{0nq} in the Lee space and the Z_{qn} -linear codes. *Lecture Notes in Computer Science*, 1255:66–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Encheva:1997:RRC

- [1275] S. Encheva. On repeated-root cyclic codes and the two-way chain condition. *Lecture Notes in Computer Science*, 1255:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VonzurGathen:1997:EFF

- [1276] J. Von zur Gathen and M. Noecker. Exponentiation in finite fields: Theory and practice. *Lecture Notes in Computer Science*, 1255:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grigoriev:1997:CML

- [1277] D. Grigoriev and A. Slissenko. Computing minimum-link path in a homotopy class amidst semi-algebraic obsta-

cles in the plane. *Lecture Notes in Computer Science*, 1255:114–129, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gulliver:1997:CSD

- [1278] T. A. Gulliver and M. Harada. Certain self-dual codes over Z_4 and the odd leech lattice. *Lecture Notes in Computer Science*, 1255:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoeholdt:1997:OFE

- [1279] T. Hoeholdt, J. H. Van Lint, and R. Pellikaan. Order functions and evaluation codes. *Lecture Notes in Computer Science*, 1255:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Horadam:1997:CC

- [1280] K. J. Horadam and A. A. I. Perera. Codes from cocycles. *Lecture Notes in Computer Science*, 1255:151–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaffe:1997:BTS

- [1281] D. B. Jaffe. A brief tour of split linear programming. *Lecture Notes in Computer Science*, 1255:164–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jean:1997:EAE

- [1282] F. Jean and P.-V. Koseleff. Elementary approximation of exponentials of Lie polynomials. *Lecture Notes in Computer Science*, 1255:174–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jensen:1997:AIC

- [1283] J. M. Jensen. On the q -ary image of cyclic codes. *Lecture Notes in Computer Science*, 1255:189–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kasami:1997:SWE

- [1284] T. Kasami, T. Sugita, and T. Fujiwara. The split weight (wL, wR) enumeration of Reed-Müller codes for $wL + wR$, 2dmin. *Lecture Notes in Computer Science*, 1255:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wood:1997:ETL

- [1285] J. A. Wood. Extension theorems for linear codes over finite rings. *Lecture Notes in Computer Science*, 1255:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xia:1997:NCE

- [1286] S. Xia and F. Fu. Nonperiodic cyclic equivalence classes of cyclic codes and algebraic constructions of cyclically permutable codes. *Lecture Notes in Computer Science*, 1255:341–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carton:1997:WWH

- [1287] O. Carton and D. Perrin. The Wadge-Wegner hierarchy of omega-rational sets. *Lecture Notes in Computer Science*, 1256:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Apt:1997:CIC

- [1288] K. R. Apt. From chaotic iteration to constraint propagation. *Lecture Notes in Computer Science*, 1256:36–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Durand:1997:TQ

- [1289] B. Durand. Tilings and quasiperiodicity. *Lecture Notes in Computer Science*, 1256:65–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bassino:1997:ESL

- [1290] F. Bassino, M.-P. Beal, and D. Perrin. Enumerative sequences of leaves in rational trees. *Lecture Notes in Computer Science*, 1256:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruyere:1997:CAC

- [1291] V. Bruyere. A completion algorithm for codes with bounded synchronization delay. *Lecture Notes in Computer Science*, 1256:87–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karhumaeki:1997:ELR

- [1292] J. Karhumaeki, W. Plandowski, and F. Mignosi. The expressibility of languages and relations by word equations. *Lecture Notes in Computer Science*, 1256:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beaudry:1997:FLR

- [1293] M. Beaudry, F. Lemieux, and D. Thérien. Finite loops recognize exactly the regular open languages. *Lecture Notes in Computer Science*, 1256:110–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiGianantonio:1997:ADT

- [1294] P. Di Gianantonio. An abstract data type for real numbers. *Lecture Notes in Computer Science*, 1256:121–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bournez:1997:SBC

- [1295] O. Bournez. Some bounds on the computational power of piecewise constant derivative systems. *Lecture Notes in Computer Science*, 1256:143–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gurevich:1997:MSR

- [1296] Y. Gurevich and A. Voronkov. Monadic simultaneous rigid E-unification and related problems. *Lecture Notes in Computer Science*, 1256:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weihrauch:1997:CPM

- [1297] K. Weihrauch. Computability on the probability measures on the Borel sets of the unit interval. *Lecture Notes in Computer Science*, 1256:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andreev:1997:WCH

- [1298] A. A. Andreev, A. E. F. Clementi, and J. D. P. Rolim. Worst-case hardness suffices for derandomization: A new method for hardness-randomness trade-offs. *Lecture Notes in Computer Science*, 1256:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buhrman:1997:RRB

- [1299] H. Buhrman, S. Fenner, and L. Fortnow. Results on resource-bounded measure. *Lecture Notes in Computer Science*, 1256:188–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ablayev:1997:RNI

- [1300] F. Ablayev. Randomization and nondeterminism are incomparable for ordered read-once branching programs. *Lecture Notes in Computer Science*, 1256:195–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Codenotti:1997:CPP

- [1301] B. Codenotti, F. Erguen, P. S. Gemmell, and S. Ravi Kumar. Checking properties of polynomials. *Lecture Notes in Computer Science*, 1256:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemaspaandra:1997:EAD

- [1302] E. Hemaspaandra, L. A. Hemaspaandra, and J. Rothe. Exact analysis of Dodgson elections: Lewis Carroll’s 1876 voting system is complete for parallel access to NP. *Lecture Notes in*

Computer Science, 1256:214–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Honda:1997:GTA

- [1303] K. Honda and N. Yoshida. Game theoretic analysis of call-by-value computation. *Lecture Notes in Computer Science*, 1256:225–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DiCosmo:1997:MPH

- [1304] R. Di Cosmo and N. Ghani. On modular properties of higher order extensional lambda-calculi. *Lecture Notes in Computer Science*, 1256:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Asperti:1997:DSG

- [1305] A. Asperti and C. Laneve. On the dynamics of sharing graphs. *Lecture Notes in Computer Science*, 1256:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alstrup:1997:MDD

- [1306] S. Alstrup, J. Holm, K. De Lichtenberg, and M. Thorup. Minimizing diameters of dynamic trees. *Lecture Notes in Computer Science*, 1256:270–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hagerup:1997:DAG

- [1307] T. Hagerup. Dynamic algorithms for graphs of bounded treewidth. *Lecture Notes in Computer Science*, 1256:292–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fu:1997:PTA

- [1308] Y. Fu. A proof theoretical approach to communication. *Lecture Notes in Computer Science*, 1256:325–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diekert:1997:STE

- [1309] V. Diekert, Y. Matiyasevich, and A. Muscholl. Solving trace equations using lexicographical normal forms. *Lecture Notes in Computer Science*, 1256:336–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilke:1997:SFP

- [1310] T. Wilke. Star-free picture expressions are strictly weaker than first-order logic. *Lecture Notes in Computer Science*, 1256:347–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernardo:1997:ABM

- [1311] M. Bernardo. An algebra-based method to associate rewards with EMPA terms. *Lecture Notes in Computer Science*, 1256:358–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caceres:1997:EPG

- [1312] E. Caceres, F. Dehne, A. Ferreira, and P. Flocchini. Efficient parallel graph algorithms for coarse grained multicomputers and BSP. *Lecture Notes in Computer Science*, 1256:390–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ambainis:1997:UBC

- [1313] A. Ambainis. Upper bound on the communication complexity of private information retrieval. *Lecture Notes in Computer Science*, 1256:401–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harel:1997:CPL

- [1314] D. Harel and E. Singerman. Computation paths logic: An expressive, yet elementary, process logic. *Lecture Notes in Computer Science*, 1256:408–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Burkart:1997:MCF

- [1315] O. Burkart and B. Steffen. Model checking the full modal mu-calculus for infinite sequential processes. *Lecture Notes in Computer Science*, 1256:419–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baier:1997:SMC

- [1316] C. Baier, E. M. Clarke, V. Hartonas-Garmhausen, and M. Kwiatkowska. Symbolic model checking for probabilistic processes. *Lecture Notes in Computer Science*, 1256:430–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeVink:1997:BPT

- [1317] E. P. De Vink and J. J. M. M. Rutten. Bisimulation for probabilistic transition systems: A coalgebraic approach. *Lecture Notes in Computer Science*, 1256:460–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boreale:1997:BOP

- [1318] M. Boreale, R. De Nicola, and R. Pugliese. Basic observables for processes. *Lecture Notes in Computer Science*, 1256:482–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaklamanis:1997:CBE

- [1319] C. Kaklamanis, P. Persiano, T. Erlebach, and K. Jansen. Constrained bipartite edge coloring with applications to wavelength routing. *Lecture Notes in Computer Science*, 1256:493–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gargano:1997:CPD

- [1320] L. Gargano, P. Hell, and S. Perennes. Colouring paths in directed symmetric trees with applications to WDM routing. *Lecture Notes in Computer Science*, 1256:505–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bartal:1997:LRA

- [1321] Y. Bartal and S. Leonardi. On-line routing in all-optical networks. *Lecture Notes in Computer Science*, 1256:516–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eilam:1997:CCP

- [1322] T. Eilam, M. Flammini, and S. Zaks. A complete characterization of the path layout construction problem for ATM networks with given hop count and load. *Lecture Notes in Computer Science*, 1256:527–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jancar:1997:BED

- [1323] P. Jancar. Bisimulation equivalence is decidable for one-counter processes. *Lecture Notes in Computer Science*, 1256:549–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bouajjani:1997:SRA

- [1324] A. Bouajjani and P. Habermehl. Symbolic reachability analysis of FIFO-Channel systems with nonregular sets of configurations. *Lecture Notes in Computer Science*, 1256:560–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fokkink:1997:APL

- [1325] W. Fokkink. Axiomatizations for the perpetual loop in process algebra. *Lecture Notes in Computer Science*, 1256:571–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henzinger:1997:DTC

- [1326] T. A. Henzinger and P. W. Kopke. Discrete-time control for rectangular hybrid automata. *Lecture Notes in Computer Science*, 1256:582–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grossi:1997:ESM

- [1327] R. Grossi and G. F. Italiano. Efficient splitting and merging algorithms for order decomposable problems. *Lecture Notes in Computer Science*, 1256:605–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khanna:1997:EAP

- [1328] S. Khanna, S. Muthukrishnan, and S. Skiena. Efficient array partitioning. *Lecture Notes in Computer Science*, 1256:616–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1997:CLT

- [1329] H. L. Bodlaender and D. M. Thilikos. Constructive linear time algorithms for branchwidth. *Lecture Notes in Computer Science*, 1256:627–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khasidashvili:1997:GOR

- [1330] Z. Khasidashvili and J. Glauert. The geometry of orthogonal reduction spaces. *Lecture Notes in Computer Science*, 1256:649–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Droste:1997:RRF

- [1331] M. Droste and P. Gastin. On recognizable and rational formal power series in partially commuting variables. *Lecture Notes in Computer Science*, 1256:682–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cassaigne:1997:CJS

- [1332] J. Cassaigne. On a conjecture of J. shallit. *Lecture Notes in Computer Science*, 1256:693–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frankel:1997:CEE

- [1333] Y. Frankel and M. Yung. On characterizations of escrow encryption schemes. *Lecture Notes in Computer Science*, 1256:705–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeSantis:1997:REN

- [1334] A. De Santis, G. Di Crescenzo, and P. Persiano. Randomness-efficient non-interactive zero knowledge. *Lecture Notes in Computer Science*, 1256:716–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jansen:1997:ARO

- [1335] K. Jansen. Approximation results for the optimum cost chromatic partition problem. *Lecture Notes in Computer Science*, 1256:727–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bar-Noy:1997:MCS

- [1336] A. Bar-Noy and G. Kortsarz. The minimum color sum of bipartite graphs. *Lecture Notes in Computer Science*, 1256:738–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujito:1997:PDA

- [1337] T. Fujito. A primal-dual approach to approximation of node-deletion problems for matroidal properties. *Lecture Notes in Computer Science*, 1256:749–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Broersma:1997:ISA

- [1338] H. Broersma, T. Kloks, D. Kratsch, and H. Mueller. Independent sets in asteroidal triple-free graphs. *Lecture Notes in Computer Science*, 1256:760–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giacobazzi:1997:RCA

- [1339] R. Giacobazzi and F. Ranzato. Refining and compressing abstract domains. *Lecture Notes in Computer Science*, 1256:771–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dami:1997:LRR

- [1340] L. Dami. Labelled reductions, runtime errors, and operational subsumption. *Lecture Notes in Computer Science*, 1256:782–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kabanets:1997:RED

- [1341] V. Kabanets. Recognizability equals definability for partial k -paths. *Lecture Notes in Computer Science*, 1256:805–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beigel:1997:MCB

- [1342] R. Beigel and B. Fu. Molecular computing, bounded nondeterminism, and efficient recursion. *Lecture Notes in Computer Science*, 1256:816–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Erdos:1997:CBT

- [1343] P. L. Erdos, M. A. Steel, L. A. Szekely, and T. J. Warnow. Constructing big trees from short sequences. *Lecture Notes in Computer Science*, 1256:827–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buccafurri:1997:EPU

- [1344] F. Buccafurri, S. Greco, and D. Sacca. The expressive power of unique total stable model semantics. *Lecture Notes in Computer Science*, 1256:849–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zeman:1997:PG

- [1345] J. Zeman. Peirce’s graphs. *Lecture Notes in Computer Science*, 1257:12–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chein:1997:CPC

- [1346] M. Chein. The CORALI project: From conceptual graphs to conceptual graphs via labelled graphs. *Lecture Notes in Computer Science*, 1257:65–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chein:1997:PNC

- [1347] M. Chein and M.-L. Mugnier. Positive nested conceptual graphs. *Lecture Notes in Computer Science*, 1257:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wermelinger:1997:DPC

- [1348] M. Wermelinger. A different perspective on canonicity. *Lecture Notes in Computer Science*, 1257:110–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faron:1997:RDE

- [1349] C. Faron and J.-B. Ganascia. Representation of defaults and exceptions in conceptual graphs formalism. *Lecture Notes in Computer Science*, 1257:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Angelova:1997:TDA

- [1350] G. Angelova and K. Bontcheva. Task-dependent aspects of knowledge acquisition: A case study in a technical domain. *Lecture Notes in Computer Science*, 1257:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dick:1997:MCE

- [1351] J. P. Dick. Modeling cause and effect in legal text. *Lecture Notes in Computer Science*, 1257:244–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bos:1997:MSH

- [1352] C. Bos, B. Botella, and P. Vanheeghe. Modeling and simulating human behaviors with conceptual graphs. *Lecture Notes in Computer Science*, 1257:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wille:1997:CGF

- [1353] R. Wille. Conceptual graphs and formal concept analysis. *Lecture Notes in Computer Science*, 1257:290–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biedermann:1997:HTD

- [1354] K. Biedermann. How triadic diagrams represent conceptual structures. *Lecture Notes in Computer Science*, 1257:304–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ellis:1997:OKU

- [1355] G. Ellis and S. Callaghan. Organization of knowledge using order factors. *Lecture Notes in Computer Science*, 1257:342–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kerdiles:1997:SCC

- [1356] G. Kerdiles and E. Salvat. A sound and complete CG proof procedure combining projections with analytic tableaux. *Lecture Notes in Computer Science*, 1257:371–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cao:1997:FUR

- [1357] T. H. Cao, P. N. Creasy, and V. Wuwongse. Fuzzy unification and resolution proof procedure for fuzzy conceptual graph programs. *Lecture Notes in Computer Science*, 1257:386–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cao:1997:UMF

- [1358] T. H. Cao and P. N. Creasy. Universal marker and functional relation: Semantics and operations. *Lecture Notes in Computer Science*, 1257:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bournaud:1997:ADK

- [1359] I. Bournaud and J.-G. Ganascia. Accounting for domain knowledge in the construction of a generalization space. *Lecture Notes in Computer Science*, 1257:446–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gerbe:1997:CGC

- [1360] O. Gerbe. Conceptual graphs for corporate knowledge repositories. *Lecture Notes in Computer Science*, 1257:474–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Genest:1997:EDR

- [1361] D. Genest and M. Chein. An experiment in document retrieval using conceptual graphs. *Lecture Notes in Computer Science*, 1257:489–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keeler:1997:PTP

- [1362] M. A. Keeler, L. F. Searle, and C. Kloesel. PORT: A testbed paradigm for knowledge processing in the humanities. *Lecture Notes in Computer Science*, 1257:505–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Clark:1997:UAP

- [1363] P. Clark and B. Porter. Using access paths to guide inference with conceptual graphs. *Lecture Notes in Computer Science*, 1257:521–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeMoor:1997:ACG

- [1364] A. De Moor. Applying conceptual graph theory to the user-driven specification of network information systems. *Lecture Notes in Computer Science*, 1257:536–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garner:1997:DTC

- [1365] B. Garner, E. Tsui, and D. Lukose. Deakin toolset: Conceptual graphs based knowledge acquisition, management, and processing tools. *Lecture Notes in Computer Science*, 1257:589–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Angelova:1997:MBI

- [1366] G. Angelova, S. Damyanova, K. Toutanova, and K. Bontcheva. Menu-based interfaces to conceptual graphs: The CGLex approach. *Lecture Notes in Computer Science*, 1257:603–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cyre:1997:KET

- [1367] W. R. Cyre. Knowledge extractor: A tool for extracting knowledge from text. *Lecture Notes in Computer Science*, 1257:607–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuchs:1997:CML

- [1368] G. Fuchs and R. Levinson. The CG Mars lander. *Lecture Notes in Computer Science*, 1257:611–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolf:1997:POT

- [1369] R. P. Wolf and H. S. Delugach. PCCG: An operational tracked grid for creating conceptual graphs. *Lecture Notes in Computer Science*, 1257:617–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arieli:1997:FVD

- [1370] O. Arieli and A. Avron. Four-valued diagnoses for stratified knowledge-bases. *Lecture Notes in Computer Science*, 1258:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baaz:1997:FCE

- [1371] M. Baaz and A. Leitsch. Fast cut-elimination by projection. *Lecture Notes in Computer Science*, 1258:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barthe:1997:SRP

- [1372] G. Barthe and P.-A. Mellies. On the subject reduction property for algebraic type systems. *Lecture Notes in Computer Science*, 1258:34–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cattani:1997:PMCa

- [1373] G. L. Cattani and G. Winskel. Presheaf models for concurrency. *Lecture*

Notes in Computer Science, 1258:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Danos:1997:DVR

- [1374] V. Danos, M. Pedicini, and L. Regnier. Directed virtual reductions. *Lecture Notes in Computer Science*, 1258:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dziembowski:1997:BVF

- [1375] S. Dziembowski. Bounded-variable fixpoint queries are PSPACE-complete. *Lecture Notes in Computer Science*, 1258:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fiore:1997:EMA

- [1376] M. P. Fiore and G. D. Plotkin. An extension of models of axiomatic domain theory to models of synthetic domain theory. *Lecture Notes in Computer Science*, 1258:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geser:1997:RUTb

- [1377] A. Geser, A. Middeldorp, E. Ohlebusch, and H. Zantema. Relative undecidability in term rewriting. *Lecture Notes in Computer Science*, 1258:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geuvers:1997:EMS

- [1378] H. Geuvers. Extending models of second order predicate logic to models

of second order dependent type theory. *Lecture Notes in Computer Science*, 1258:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ghani:1997:EEF

- [1379] N. Ghani. Eta-expansions in $F0\omega$. *Lecture Notes in Computer Science*, 1258:182–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gore:1997:CFD

- [1380] R. Gore. Cut-free display calculi for relation algebras. *Lecture Notes in Computer Science*, 1258:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Imhof:1997:CAA

- [1381] H. Imhof. Computational aspects of arity hierarchies. *Lecture Notes in Computer Science*, 1258:211–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ingolfssdottir:1997:WSB

- [1382] A. Ingolfssdottir. Weak semantics based on lighted button pressing experiments. *Lecture Notes in Computer Science*, 1258:226–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yashin:1997:NIL

- [1383] A. D. Yashin. New intuitionistic logical constants: Undecidability of the conservativeness problem. *Lecture Notes in Computer Science*, 1258:460–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aleksander:1997:ILN

- [1384] I. Aleksander. Iconic learning in networks of logical neurons. *Lecture Notes in Computer Science*, 1259:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Armstrong:1997:HRF

- [1385] W. W. Armstrong. Hardware requirements for fast evaluation of functions learned by adaptive logic networks. *Lecture Notes in Computer Science*, 1259:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1997:PCE

- [1386] X. Yao and T. Higuchi. Promises and challenges of evolvable hardware. *Lecture Notes in Computer Science*, 1259:55–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goeke:1997:OAE

- [1387] M. Goeke, M. Sipper, D. Mange, and A. Stauffer. Online autonomous evolution. *Lecture Notes in Computer Science*, 1259:96–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Keymeulen:1997:ERN

- [1388] D. Keymeulen, M. Durantez, K. Konaka, and Y. Kuniyoshi. An evolutionary robot navigation system using a gate-level evolvable hardware. *Lecture Notes in Computer Science*, 1259:195–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamamoto:1997:ARE

- [1389] J. Yamamoto and Y. Anzai. Autonomous robot with evolving algorithm based on biological systems. *Lecture Notes in Computer Science*, 1259:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ito:1997:MBN

- [1390] H. Ito and T. Furuya. Memory-based neural network and its application to a mobile robot with evolutionary and experience learning. *Lecture Notes in Computer Science*, 1259:234–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ae:1997:SPB

- [1391] T. Ae, H. Fukumoto, and S. Hiwatashi. Special-purpose brainware architecture for data processing. *Lecture Notes in Computer Science*, 1259:289–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iba:1997:MLA

- [1392] H. Iba, M. Iwata, and T. Higuchi. Machine learning approach to gate-level evolvable hardware. *Lecture Notes in Computer Science*, 1259:327–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zebulum:1997:ESH

- [1393] R. S. Zebulum, M. A. Pacheco, and M. Vellasco. Evolvable systems in hardware design: Taxonomy, survey and applications. *Lecture Notes in Computer Science*, 1259:344–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kazimierczak:1997:STB

- [1394] J. Kazimierczak. From some tasks to biology and then to hardware. *Lecture Notes in Computer Science*, 1259:359–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harvey:1997:TLE

- [1395] L. Harvey and A. Thompson. Through the labyrinth evolution finds a way: A silicon ridge. *Lecture Notes in Computer Science*, 1259:406–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hikage:1997:HES

- [1396] T. Hikage, H. Hemmi, and K. Shimohara. Hardware evolution system introducing dominant and recessive heredity. *Lecture Notes in Computer Science*, 1259:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gers:1997:CBN

- [1397] F. Gers and H. De Garis. CAM-Brain: A new model for ATR's cellular automata based artificial brain project. *Lecture Notes in Computer Science*, 1259:437–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bennett:1997:EDO

- [1398] F. H. Bennett, J. R. Koza, D. Andre, and M. A. Keane. Evolution of a 60 decibel op amp using genetic programming. *Lecture Notes in Computer Science*, 1259:455–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biehl:1997:AGT

- [1399] M. Biehl, N. Klarlund, and T. Rauhe. Algorithms for guided tree automata. *Lecture Notes in Computer Science*, 1260:6–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bone:1997:TSF

- [1400] R. Bone, C. Daguin, A. Georgevail, and D. Maurel. Time series forecasting by finite-state automata. *Lecture Notes in Computer Science*, 1260:26–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garzon:1997:DIN

- [1401] M. Garzon and E. Eberbach. Dynamical implementation of nondeterministic automata and concurrent systems. *Lecture Notes in Computer Science*, 1260:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glenn:1997:IWF

- [1402] J. Glenn and W. Gasarch. Implementing WSIS via finite automata. *Lecture Notes in Computer Science*, 1260:50–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johnson:1997:ICS

- [1403] J. H. Johnson and D. Wood. Instruction computation in subset construction. *Lecture Notes in Computer Science*, 1260:64–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Watson:1997:FLF

- [1404] B. W. Watson. FIRE lite: FAs and REs in C++. *Lecture Notes in Computer Science*, 1260:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abel:1997:SIM

- [1405] D. J. Abel. Spatial Internet marketplaces: A grand challenge? *Lecture Notes in Computer Science*, 1262:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ester:1997:SDM

- [1406] M. Ester, H.-P. Kriegel, and J. Sander. Spatial data mining: A database approach. *Lecture Notes in Computer Science*, 1262:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chan:1997:GEI

- [1407] E. P. F. Chan and J. N. H. Ng. A general and efficient implementation of geometric operators and predicates. *Lecture Notes in Computer Science*, 1262:69–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Belussi:1997:MSD

- [1408] A. Belussi, E. Bertino, and B. Catania. Manipulating spatial data in constraint databases. *Lecture Notes in Computer Science*, 1262:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chomicki:1997:CBI

- [1409] J. Chomicki and P. Z. Revesz. Constraint-based interoperability of

spatiotemporal databases. *Lecture Notes in Computer Science*, 1262:142–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huang:1997:ISI

- [1410] Y.-W. Huang, M. Jones, and E. A. Rundensteiner. Improving spatial intersect joins using symbolic intersect detection. *Lecture Notes in Computer Science*, 1262:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1997:DPP

- [1411] X. Zhou, D. J. Abel, and D. Truffet. Data partitioning for parallel spatial join processing. *Lecture Notes in Computer Science*, 1262:178–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Esperanca:1997:OPB

- [1412] C. Esperanca and H. Samet. Orthogonal polygons as bounding structures in filter-refine query processing strategies. *Lecture Notes in Computer Science*, 1262:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balovnev:1997:GGS

- [1413] O. Balovnev, M. Breunig, and A. B. Cremers. From GeoStore to GeoToolKit: The second step. *Lecture Notes in Computer Science*, 1262:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alonso:1997:GOW

- [1414] G. Alonso and C. Hagen. Geo-Opera: Workflow concepts for spatial processes. *Lecture Notes in Computer Science*, 1262:238–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Erwig:1997:VR

- [1415] M. Erwig and M. Schneider. Vague regions. *Lecture Notes in Computer Science*, 1262:298–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Delis:1997:AGC

- [1416] V. Delis and T. Hadzilacos. On the assessment of generalisation consistency. *Lecture Notes in Computer Science*, 1262:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ang:1997:NLN

- [1417] C. H. Ang and T. C. Tan. New linear node splitting algorithm for R-trees. *Lecture Notes in Computer Science*, 1262:339–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aggarwal:1997:TEI

- [1418] C. Aggarwal, J. Wolf, P. Yu, and M. Epelman. The S-tree: An efficient, index for multidimensional objects. *Lecture Notes in Computer Science*, 1262:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foss:1997:KDC

- [1419] B. A. Foss. Knowledge discovery — A control theory perspective. *Lecture Notes in Computer Science*, 1263:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carter:1997:SBM

- [1420] C. L. Carter, H. J. Hamilton, and N. Cercone. Share based measures for itemsets. *Lecture Notes in Computer Science*, 1263:14–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hilderman:1997:PKD

- [1421] R. J. Hilderman, H. J. Hamilton, R. J. Kowalchuk, and N. Cercone. Parallel knowledge discovery using domain generalization graphs. *Lecture Notes in Computer Science*, 1263:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bull:1997:DHR

- [1422] M. Bull, G. Kundt, and L. Gierl. Discovering of health risks and case-based forecasting of epidemics in a health surveillance system. *Lecture Notes in Computer Science*, 1263:68–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wrobel:1997:AMR

- [1423] S. Wrobel. An algorithm for multi-relational discovery of subgroups. *Lecture Notes in Computer Science*, 1263:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1997:FST

- [1424] G. Das, D. Gunopulos, and H. Man-
nila. Finding similar time series. *Lec-
ture Notes in Computer Science*, 1263:
88–??, 1997. CODEN LNCSD9. ISSN
0302-9743 (print), 1611-3349 (elec-
tronic).

Feldman:1997:PBB

- [1425] R. Feldman, W. Kloesgen, Y. Ben-
Yehuda, and G. Kedar. Pattern
based browsing in document collec-
tions. *Lecture Notes in Computer
Science*, 1263:112–??, 1997. CODEN
LNCSD9. ISSN 0302-9743 (print),
1611-3349 (electronic).

Elomaa:1997:EMN

- [1426] T. Elomaa and J. Rousu. Efficient mul-
tisplitting on numerical data. *Lecture
Notes in Computer Science*, 1263:178–
??, 1997. CODEN LNCSD9. ISSN
0302-9743 (print), 1611-3349 (elec-
tronic).

Andre-Joensson:1997:USF

- [1427] H. Andre-Joensson and D. Z. Badal.
Using signature files for querying time-
series data. *Lecture Notes in Computer
Science*, 1263:211–??, 1997. CODEN
LNCSD9. ISSN 0302-9743 (print),
1611-3349 (electronic).

Amir:1997:NVM

- [1428] A. Amir, R. Feldman, and R. Kashi.
A new and versatile method for asso-
ciation generation. *Lecture Notes in
Computer Science*, 1263:221–??, 1997.
CODEN LNCSD9. ISSN 0302-9743
(print), 1611-3349 (electronic).

Bioch:1997:BDT

- [1429] J. C. Bioch, O. Van der Meer, and
R. Potharst. Bivariate decision trees.
Lecture Notes in Computer Science,
1263:232–??, 1997. CODEN LNCSD9.
ISSN 0302-9743 (print), 1611-3349
(electronic).

Wirth:1997:TPO

- [1430] R. Wirth, C. Shearer, U. Grimmer, and
T. Reinartz. Towards process-oriented
tool support for KDD. *Lecture Notes in
Computer Science*, 1263:243–??, 1997.
CODEN LNCSD9. ISSN 0302-9743
(print), 1611-3349 (electronic).

Gebhardt:1997:FSC

- [1431] F. Gebhardt. Finding spatial clus-
ters. *Lecture Notes in Computer Sci-
ence*, 1263:277–??, 1997. CODEN
LNCSD9. ISSN 0302-9743 (print),
1611-3349 (electronic).

Boudaillier:1997:IIH

- [1432] E. Boudaillier and G. Hebrail. In-
teractive interpretation of hierarchical
clustering. *Lecture Notes in Computer
Science*, 1263:288–??, 1997. CODEN
LNCSD9. ISSN 0302-9743 (print),
1611-3349 (electronic).

Freitas:1997:PTB

- [1433] A. A. Freitas. The principle of trans-
formation between efficiency and ef-
fectiveness: Towards a fair evaluation
of the cost-effectiveness of KDD tech-
niques. *Lecture Notes in Computer
Science*, 1263:299–??, 1997. CODEN
LNCSD9. ISSN 0302-9743 (print),
1611-3349 (electronic).

Berka:1997:RRD

- [1434] P. Berka. Recognizing reliability of discovered knowledge. *Lecture Notes in Computer Science*, 1263:307–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Watts:1997:TIM

- [1435] R. J. Watts, A. L. Porter, S. Cunningham, and D. Zhu. TOAS intelligence mining; analysis of NLP and computational linguistics. *Lecture Notes in Computer Science*, 1263:323–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ahonen:1997:MPF

- [1436] H. Ahonen, O. Heinonen, M. Klemettinen, and A. I. Verkamo. Mining in the phrasal frontier. *Lecture Notes in Computer Science*, 1263:343–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bjorvand:1997:MTS

- [1437] A. T. Bjorvand. Mining time series using rough sets. *Lecture Notes in Computer Science*, 1263:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhong:1997:MLO

- [1438] N. Zhong, S. Ohsuga, C. Liu, and Y. Kakemoto. On meta levels of an organized society of KDD agents. *Lecture Notes in Computer Science*, 1263:367–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1997:UNN

- [1439] Y. Zhou, Y. Lu, and C. Shi. Using neural network to extract knowledge from database. *Lecture Notes in Computer Science*, 1263:376–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grossman:1997:TIH

- [1440] R. Grossman. A tutorial introduction to high performance data mining. *Lecture Notes in Computer Science*, 1263:395–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carbonara:1997:DMT

- [1441] L. Carbonara, H. Roberts, and B. Egan. Data mining in the telecommunications industry. *Lecture Notes in Computer Science*, 1263:396–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1997:EM

- [1442] G. Das, R. Fleischer, L. Gasieniec, and D. Gunopulos. Episode matching. *Lecture Notes in Computer Science*, 1264:12–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berman:1997:CPM

- [1443] P. Berman, M. Karpinski, L. L. Larmore, and W. Plandowski. On the complexity of pattern matching for highly compressed two-dimensional texts. *Lecture Notes in Computer Science*, 1264:40–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fraenkel:1997:WCS

- [1444] A. S. Fraenkel, J. Simpson, and M. Paterson. On weak circular squares in binary words. *Lecture Notes in Computer Science*, 1264:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasieniec:1997:EIP

- [1445] L. Gasieniec, P. Indyk, and P. Krysta. External inverse pattern matching. *Lecture Notes in Computer Science*, 1264:90–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Crochemore:1997:DCC

- [1446] M. Crochemore and R. Verin. Direct construction of compact directed acyclic word graphs. *Lecture Notes in Computer Science*, 1264:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cryan:1997:AAF

- [1447] M. Cryan, L. A. Goldberg, and C. Phillips. Approximation algorithms for the fixed-topology phylogenetic number problem. *Lecture Notes in Computer Science*, 1264:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdeddaim:1997:ICT

- [1448] S. Abdeddaim. On incremental computation of transitive closure and greedy alignment. *Lecture Notes in Computer Science*, 1264:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arvestad:1997:ACD

- [1449] L. Arvestad. Aligning coding DNA in the presence of frame-shift errors. *Lecture Notes in Computer Science*, 1264:180–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:BDS

- [1450] T. Chen and S. S. Skiena. The-based data structures for sequence assembly. *Lecture Notes in Computer Science*, 1264:206–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ben-Dor:1997:BBC

- [1451] A. Ben-Dor, G. Lancia, J. Perone, and R. Ravi. Banishing bias from consensus sequences. *Lecture Notes in Computer Science*, 1264:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dress:1997:IVS

- [1452] A. Dress. Iterative versus simultaneous multiple sequence alignment. *Lecture Notes in Computer Science*, 1264:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jaffar:1997:FBC

- [1453] J. Jaffar, B. Liu, and R. H. C. Yap. Forward and backward chaining in constraint programming. *Lecture Notes in Computer Science*, 1265:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buccafurri:1997:SWC

- [1454] F. Buccafurri, N. Leone, and P. Rullo. Strong and weak constraints in disjunctive datalog. *Lecture Notes in Computer Science*, 1265:2-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zukowski:1997:IAF

- [1455] U. Zukowski, S. Brass, and B. Freitag. Improving the alternating fixpoint: The transformation approach. *Lecture Notes in Computer Science*, 1265:40-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1997:NMR

- [1456] U. Egly and H. Tompits. Is non-monotonic reasoning always harder? *Lecture Notes in Computer Science*, 1265:60-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blair:1997:SBP

- [1457] H. A. Blair, F. Dushin, and P. Humenn. Simulations between programs as cellular automata. *Lecture Notes in Computer Science*, 1265:115-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janhunen:1997:SDB

- [1458] T. Janhunen. Separating disbeliefs from beliefs in autoepistemic reasoning. *Lecture Notes in Computer Science*, 1265:132-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:PD

- [1459] G.-Q. Zhang and W. C. Rounds. Power defaults. *Lecture Notes in Computer Science*, 1265:152-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bochman:1997:SPS

- [1460] A. Bochman. A study of Przymusiński's static semantics. *Lecture Notes in Computer Science*, 1265:170-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonatti:1997:RSS

- [1461] P. A. Bonatti. Resolution for skeptical stable semantics. *Lecture Notes in Computer Science*, 1265:185-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eiter:1997:CNG

- [1462] T. Eiter, J. Lu, and V. S. Subrahmanian. Computing non-ground representations of stable models. *Lecture Notes in Computer Science*, 1265:198-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karig:1997:INI

- [1463] M. R. Karig. Industry needs for integrated information services. *Lecture Notes in Computer Science*, 1265:218-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buchberger:1997:CSP

- [1464] B. Buchberger. Computing, solving, proving: A report of the theorema project. *Lecture Notes in Computer*

Science, 1265:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gelfond:1997:TSA

- [1465] M. Gelfond. Towards a systematic approach to representing knowledge in declarative logic programming. *Lecture Notes in Computer Science*, 1265:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damasio:1997:PSC

- [1466] C. V. Damasio and L. M. Pereira. A paxaconsistent semantics with contradiction support detection. *Lecture Notes in Computer Science*, 1265:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dekhtyar:1997:CEU

- [1467] M. Dekhtyar, A. Dikorsky, and N. Spyrtatos. On conservative enforced updates. *Lecture Notes in Computer Science*, 1265:244–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Witteveen:1997:GFR

- [1468] C. Witteveen and W. Van Der Hoek. A general framework for revising non-monotonic theories. *Lecture Notes in Computer Science*, 1265:258–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brogi:1997:CGL

- [1469] A. Brogi, S. Contiero, and F. Turini. Composing general logic programs. *Lecture Notes in Computer Science*, 1265:273–??, 1997. CODEN LNCSD9.

ISSN 0302-9743 (print), 1611-3349 (electronic).

Eiter:1997:MLP

- [1470] T. Eiter, G. Gottlob, and H. Veith. Modular logic programming and generalized quantifiers. *Lecture Notes in Computer Science*, 1265:289–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yahya:1997:GQA

- [1471] A. H. Yahya. Generalized query answering in disjunctive deductive databases: Procedural and non-monotonic aspects. *Lecture Notes in Computer Science*, 1265:324–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aravindan:1997:DTD

- [1472] C. Aravindan, J. Dix, and I. Niemelae. DisLoP: Towards a disjunctive logic programming system. *Lecture Notes in Computer Science*, 1265:341–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Damasio:1997:RLP

- [1473] C. V. Damasio, L. M. Pereira, and M. Schroeder. REVISE: Logic programming and diagnosis. *Lecture Notes in Computer Science*, 1265:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eiter:1997:DSN

- [1474] T. Eiter, N. Leone, C. Mateis, and G. Pfeifer. A deductive system for non-monotonic reasoning. *Lecture Notes in Computer Science*, 1265:363–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zukowski:1997:DDS

- [1475] U. Zukowski and B. Freitag. The deductive database system LOLA. *Lecture Notes in Computer Science*, 1265:375–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kakas:1997:AFS

- [1476] A. C. Kakas and C. Mourlas. ACLP: Flexible solutions to complex problems. *Lecture Notes in Computer Science*, 1265:387–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kandzia:1997:NMR

- [1477] P.-T. Kandzia. Non-monotonic reasoning in FLORID. *Lecture Notes in Computer Science*, 1265:399–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cheetham:1997:CBR

- [1478] W. Cheetham and J. Graf. Case-based reasoning in color matching. *Lecture Notes in Computer Science*, 1266:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Finnie:1997:ESD

- [1479] G. R. Finnie, G. W. Wittig, and J.-M. Desharnais. Estimating software development effort with case-based reasoning. *Lecture Notes in Computer Science*, 1266:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuchs:1997:ACB

- [1480] Marc Fuchs and Matt Fuchs. Applying case-based reasoning to auto-

mated deduction. *Lecture Notes in Computer Science*, 1266:23–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gomes:1997:CBA

- [1481] P. Gomes and C. Bento. A case-based approach for elaboration of design requirements. *Lecture Notes in Computer Science*, 1266:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jarmulak:1997:CBR

- [1482] J. Jarmulak, E. J. H. Kerckhoffs, and P. P. Van't Veen. Case-based reasoning in an ultrasonic rail-inspection system. *Lecture Notes in Computer Science*, 1266:43–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Joh:1997:CCE

- [1483] D. Joh. CBR in a changing environment. *Lecture Notes in Computer Science*, 1266:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weber-Lee:1997:LCB

- [1484] R. Weber-Lee, R. M. Barcia, M. C. Da Costa, and I. W. Rodrigues Filho. A large case-based reasoner for legal cases. *Lecture Notes in Computer Science*, 1266:190–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wisdo:1997:SAQ

- [1485] C. Wisdo. A scalable approach for question-based indexing of encyclopedic texts. *Lecture Notes in Computer Science*, 1266:200–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cox:1997:ERR

- [1486] M. T. Cox. An explicit representation of reasoning failures. *Lecture Notes in Computer Science*, 1266:211–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kamp:1997:ACD

- [1487] G. Kamp. On the admissibility of concrete domains for CBR based on description logics. *Lecture Notes in Computer Science*, 1266:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Watson:1997:EHC

- [1488] I. Watson and S. Perera. The evaluation of a hierarchical case representation using context guided retrieval. *Lecture Notes in Computer Science*, 1266:255–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aha:1997:RCC

- [1489] D. W. Aha and L. A. Breslow. Refining conversational case libraries. *Lecture Notes in Computer Science*, 1266:267–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arcos:1997:PDB

- [1490] J. L. Arcos and R. Lopez de Mantaras. Perspectives: A declarative bias mechanism for case retrieval. *Lecture Notes in Computer Science*, 1266:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonzano:1997:UIL

- [1491] A. Bonzano, P. Cunningham, and B. Smyth. Using introspective learning to improve retrieval in CBR: A case study in air traffic control. *Lecture Notes in Computer Science*, 1266:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brueninghaus:1997:UML

- [1492] S. Brueninghaus and K. D. Ashley. Using machine learning for assigning indices to textual cases. *Lecture Notes in Computer Science*, 1266:303–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daengdej:1997:HCB

- [1493] J. Daengdej and D. Lukose. How case-based reasoning and cooperative query answering techniques support RICAD? *Lecture Notes in Computer Science*, 1266:315–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Daniels:1997:WYS

- [1494] J. J. Daniels and E. L. Rissland. What you saw is what you want: Using cases to seed information retrieval. *Lecture Notes in Computer Science*, 1266:325–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanney:1997:AKB

- [1495] K. Hanney and M. T. Keane. The adaptation knowledge bottleneck: How to ease it by learning from cases. *Lecture Notes in Computer Science*, 1266:359–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Cox:1997:LCF

- [1496] M. T. Cox. Loose coupling of failure explanation and repair: Using learning goals to sequence learning methods. *Lecture Notes in Computer Science*, 1266:425–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drummond:1997:UCB

- [1497] C. Drummond. Using a case-base of surfaces to speed-up reinforcement learning. *Lecture Notes in Computer Science*, 1266:435–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Griffiths:1997:PAS

- [1498] A. D. Griffiths and D. G. Bridge. PAC analyses of a ‘similarity learning’ IBL algorithm. *Lecture Notes in Computer Science*, 1266:445–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Howe:1997:ELV

- [1499] N. Howe and C. Cardie. Examining locally varying weights for nearest neighbor algorithms. *Lecture Notes in Computer Science*, 1266:455–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aarts:1997:QKS

- [1500] R. J. Aarts and J. Rousu. Qualitative knowledge to support reasoning about cases. *Lecture Notes in Computer Science*, 1266:489–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

An:1997:IRI

- [1501] A. An, N. Cercone, and C. Chan. Integrating rule induction and case-based reasoning to enhance problem solving. *Lecture Notes in Computer Science*, 1266:499–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bergmann:1997:USP

- [1502] R. Bergmann, W. Wilke, and J. Schumacher. Using software process modeling for building a case-based reasoning methodology: Basic approach and case study. *Lecture Notes in Computer Science*, 1266:509–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branting:1997:SCB

- [1503] L. K. Branting. Stratified case-based reasoning in non-refinable abstraction hierarchies. *Lecture Notes in Computer Science*, 1266:519–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cox:1997:SCH

- [1504] M. T. Cox and M. M. Veloso. Supporting combined human and machine planning: An interface for planning by analogical reasoning. *Lecture Notes in Computer Science*, 1266:531–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karacapilidis:1997:UCB

- [1505] N. Karacapilidis, B. Trousse, and D. Papadias. Using case-based reasoning for argumentation with multiple viewpoints. *Lecture Notes in Computer Science*, 1266:541–??, 1997. CODEN

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bhatta:1997:ATC

- [1506] S. R. Bhatta and A. K. Goel. An analogical theory of creativity in design. *Lecture Notes in Computer Science*, 1266:565–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dubois:1997:FMC

- [1507] D. Dubois, F. Esteva, P. Garcia, and L. Godo. Fuzzy modeling of case-based reasoning and decision. *Lecture Notes in Computer Science*, 1266:599–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Faltings:1997:PIC

- [1508] B. Faltings. Probabilistic indexing for case-based prediction. *Lecture Notes in Computer Science*, 1266:611–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yager:1997:CBR

- [1509] R. R. Yager. Case-based reasoning, fuzzy systems modeling and solution composition. *Lecture Notes in Computer Science*, 1266:633–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Handschuh:1997:CSE

- [1510] Helena Handschuh and Henri Gilbert. χ^2 cryptanalysis of the SEAL encryption algorithm. *Lecture Notes in Computer Science*, 1267:1–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL [http://link.springer-](http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670001.htm)

[ny.com/link/service/series/0558/bibs/1267/12670001.htm](http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670001.htm); <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670001.pdf>.

Harpes:1997:PC

- [1511] Carlo Harpes and James L. Massey. Partitioning cryptanalysis. *Lecture Notes in Computer Science*, 1267:13–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670013.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670013.pdf>.

Jakobsen:1997:IAB

- [1512] Thomas Jakobsen and Lars R. Knudsen. The interpolation attack on block ciphers. *Lecture Notes in Computer Science*, 1267:28–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670028.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670028.pdf>.

Aoki:1997:BDC

- [1513] Kazumaro Aoki, Kunio Kobayashi, and Shiho Moriai. Best differential characteristic search of FEAL. *Lecture Notes in Computer Science*, 1267:41–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670041.pdf>.

- [/link.springer-ny.com/link/service/series/0558/papers/1267/12670041](http://link.springer-ny.com/link/service/series/0558/papers/1267/12670041).pdf.
- Ding:1997:TFS**
- [1517] Cunsheng Ding, Valtteri Niemi, Ari Renvall, and Arto Salomaa. TWOPRIME: A fast stream ciphering algorithm. *Lecture Notes in Computer Science*, 1267:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670088.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670088>.pdf.
- Matsui:1997:NBE**
- [1514] Mitsuru Matsui. New block encryption algorithm MISTY. *Lecture Notes in Computer Science*, 1267:54–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670054.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670054>.pdf.
- Kwan:1997:DIE**
- [1515] Matthew Kwan. The design of the ICE encryption algorithm. *Lecture Notes in Computer Science*, 1267:69–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670069.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670069>.pdf.
- Kwan:1997:DIE**
- [1518] Markus Dichtl. On nonlinear filter generators. *Lecture Notes in Computer Science*, 1267:103–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670103.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670103>.pdf.
- Dichtl:1997:NFG**
- Anonymous:1997:AES**
- [1516] Anonymous. Advanced Encryption Standard, draft minimum requirements and evaluation criteria. *Lecture Notes in Computer Science*, 1267:83–87, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670083.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670083>.pdf.
- Anderson:1997:CNK**
- [1519] Ross Anderson and Charalampos Manifavas. Chameleon — A new kind of stream cipher. *Lecture Notes in Computer Science*, 1267:107–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670107.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670107>.pdf.

Sakurai:1997:ILC

- [1520] Kouichi Sakurai and Souichi Furuya. Improving linear cryptanalysis of LOKI91 by *Probabilistic Counting* method. *Lecture Notes in Computer Science*, 1267:114–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670114.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670114.pdf>.

Biham:1997:CL

- [1521] Eli Biham. Cryptanalysis of LadderDES. *Lecture Notes in Computer Science*, 1267:134–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670134.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670134.pdf>.

Rijmen:1997:FTC

- [1522] Vincent Rijmen and Bart Preneel. A family of trapdoor ciphers. *Lecture Notes in Computer Science*, 1267:139–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670139.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670139.pdf>.

Daemen:1997:BCS

- [1523] Joan Daemen, Lars Knudsen, and Vincent Rijmen. The block ci-

pher SQUARE. *Lecture Notes in Computer Science*, 1267:149–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670149.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670149.pdf>.

MRaihi:1997:XFO

- [1524] David M'Raihi, David Naccache, Jacques Stern, and Serge Vaudenay. XM: A firmware-oriented block cipher based on modular multiplications. *Lecture Notes in Computer Science*, 1267:166–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670166.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670166.pdf>.

Halevi:1997:MSM

- [1525] Shai Halevi and Hugo Krawczyk. MMH: Software message authentication in the Gbit/second rates. *Lecture Notes in Computer Science*, 1267:172–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670172.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670172.pdf>.

Afanassiev:1997:FMA

- [1526] Valentine Afanassiev, Christian Gehrman, and Ben Smeets. Fast message

- authentication using efficient polynomial evaluation. *Lecture Notes in Computer Science*, 1267:190–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670190.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670190.pdf>. [1530]
- Yuval:1997:RTE**
- [1527] Gideon Yuval. Reinventing the travois: Encryption/MAC in 30 ROM bytes. *Lecture Notes in Computer Science*, 1267:205–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670205.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670205.pdf>.
- Rivest:1997:ANE**
- [1528] Ronald L. Rivest. All-or-nothing encryption and the package transform. *Lecture Notes in Computer Science*, 1267:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670210.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670210.pdf>.
- Lucks:1997:SRK**
- [1529] Stefan Lucks. On the security of remotely keyed encryption. *Lecture Notes in Computer Science*, 1267:219–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670219.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670219.pdf>.
- Young:1997:SEC**
- [1530] Adam Young and Moti Yung. Sliding encryption: A cryptographic tool for mobile agents. *Lecture Notes in Computer Science*, 1267:230–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670230.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670230.pdf>.
- Schneier:1997:FSE**
- [1531] Bruce Schneier and Doug Whiting. Fast software encryption: Designing encryption algorithms for optimal software speed on the Intel Pentium processor. *Lecture Notes in Computer Science*, 1267:242–259, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670242.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670242.pdf>; http://www.counterpane.com/fast_software_encryption.html.
- Biham:1997:FNI**
- [1532] Eli Biham. A fast new DES implementation in software. *Lecture Notes in Computer Science*, 1267:260–

- ??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670260.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670260.pdf>.
- [1533] Craig S. K. Clapp. Optimizing a fast stream cipher for VLIW, SIMD, and superscalar processors. *Lecture Notes in Computer Science*, 1267:273–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1267/12670273.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1267/12670273.pdf>.
- [1534] L. Braine and C. Clack. Introducing clover: An object-oriented functional language. *Lecture Notes in Computer Science*, 1268:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1535] M. Erwig. Active patterns. *Lecture Notes in Computer Science*, 1268:21–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1536] U. Boquist and T. Johnsson. The Grin Project: A highly optimising back end for lazy functional languages. *Lecture Notes in Computer Science*, 1268:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1537] S. Breiting, U. Klusik, and R. Loogen. An implementation of Eden on top of Concurrent Haskell. *Lecture Notes in Computer Science*, 1268:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1538] C. Assmann. Coordinating functional processes using Petri nets. *Lecture Notes in Computer Science*, 1268:162–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1539] S. A. Jarvis and R. G. Morgan. The results of: Profiling large-scale lazy functional programs. *Lecture Notes in Computer Science*, 1268:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1540] M. Debbabi, A. Faour, and N. Tawbi. A type-based algorithm for the control-flow analysis of higher-order concurrent programs. *Lecture Notes in Computer Science*, 1268:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).
- [1541] W. Dosch and B. Moeller. Calculating a functional module for binary search trees. *Lecture Notes in Computer Science*, 1268:267–??, 1997. CODEN

Breiting:1997:IET**Clapp:1997:OFS****Assmann:1997:CFP****Jarvis:1997:RPL****Braine:1997:ICO****Debbabi:1997:TBA****Erwig:1997:AP****Dosch:1997:CFM**

LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yi:1997:NHF

Joesang:1997:PMT

- [1542] A. Joesang. Prospectives for modelling trust in information security. *Lecture Notes in Computer Science*, 1270:2-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1547] X. Yi and K.-Y. Lam. A new hash function based on block cipher. *Lecture Notes in Computer Science*, 1270:139-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:NLB

Bai:1997:AIF

- [1543] Y. Bai and V. Varadharajan. Analysis and implementation of a formal authorisation policy design approach. *Lecture Notes in Computer Science*, 1270:14-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1548] X.-M. Zhang and Y. Zheng. New lower bounds on nonlinearity and a class of highly nonlinear functions. *Lecture Notes in Computer Science*, 1270:147-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:SSR

Holford:1997:POS

- [1544] J. Holford and G. Mohay. ProtectOS: Operating system and hardware support for small objects. *Lecture Notes in Computer Science*, 1270:102-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

- [1549] L. Chen, D. Gollmann, C. J. Mitchell, and P. Wild. Secret sharing with reusable polynomials. *Lecture Notes in Computer Science*, 1270:183-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischlin:1997:PMC

- [1545] M. Fischlin. Practical memory checkers for stacks, queues and dequeues. *Lecture Notes in Computer Science*, 1270:114-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bakhtiari:1997:MAC

- [1550] S. Bakhtiari, R. Safavi-Naini, and J. Pieprzyk. A message authentication code based on Latin squares. *Lecture Notes in Computer Science*, 1270:194-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charney:1997:PSC

- [1546] S. Charney, S. Perrin, S. Orlowski, and N. Reaburn. Panel session: Cryptographic policy guidelines. *Lecture Notes in Computer Science*, 1270:126-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bao:1997:DAT

- [1551] F. Bao, R. Deng, Y. Han, and A. Jeng. Design and analyses of two basic protocols for use in TTP-based key escrow. *Lecture Notes in Computer Science*, 1270:261-??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boyd:1997:KAC

- [1552] C. Boyd. On keg agreement and conference keg agreement. *Lecture Notes in Computer Science*, 1270:294–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dittmann:1997:ETT

- [1553] J. Dittmann and A. Steinmetz. Enabling technology for the trading of MPEG-encoded video. *Lecture Notes in Computer Science*, 1270:314–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abe:1997:IDM

- [1554] T. Abe, H. Fujii, and K. Kushima. Image distribution method with embedded identifier scheme for copyright protection. *Lecture Notes in Computer Science*, 1270:325–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kerschberg:1997:RIS

- [1555] L. Kerschberg. The role of intelligent software agents in advanced information systems. *Lecture Notes in Computer Science*, 1271:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bratsberg:1997:LRI

- [1556] S. E. Bratsberg, S.-O. Hvasshovd, and O. Torbjoernsen. Location and replication independent recovery in a highly available database. *Lecture Notes in Computer Science*, 1271:23–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Groevlen:1997:CBQ

- [1557] O. Groevlen, O. Torbjoernsen, and S.-O. Hvasshovd. Compensation-based query processing in on-line transaction processing systems. *Lecture Notes in Computer Science*, 1271:38–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeFerreiraRezende:1997:DAD

- [1558] F. De Ferreira Rezende, T. Haerder, A. Gloeckner, and J. Lutze. Detection arcs for deadlock management in nested transactions and their performance. *Lecture Notes in Computer Science*, 1271:54–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bratbergsengen:1997:IOP

- [1559] K. Bratbergsengen and K. Noervaag. Improved and optimized partitioning techniques in database query processing. *Lecture Notes in Computer Science*, 1271:69–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grust:1997:QEC

- [1560] T. Grust, J. Kroeger, D. Gluche, and A. Heuer. Query evaluation in CROQUE — calculus and algebra coincide. *Lecture Notes in Computer Science*, 1271:84–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zurek:1997:OPT

- [1561] T. Zurek. Optimisation of partitioned temporal joins. *Lecture Notes in Computer Science*, 1271:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balownew:1997:MLC

- [1562] O. Balownew, T. Bode, A. B. Creemers, and J. Kalinski. Maintaining library catalogues with an RDBMS: A performance study. *Lecture Notes in Computer Science*, 1271:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berti:1997:MAD

- [1563] L. Berti. Merging an active database and a reflective system: Modelling a new several active meta-levels architecture. *Lecture Notes in Computer Science*, 1271:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:FDM

- [1564] H. Gupta, I. McLaren, and A. Vella. A framework for database mining. *Lecture Notes in Computer Science*, 1271:121–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haase:1997:QPT

- [1565] O. Haase and A. Henrich. Query processing techniques for partly inaccessible distributed databases. *Lecture Notes in Computer Science*, 1271:123–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Winiwarter:1997:DDO

- [1566] W. Winiwarter and Y. Kambayashi. DOA — the deductive object-oriented approach to the development of adaptive natural language interfaces. *Lecture Notes in Computer Science*, 1271:137–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Faulstich:1997:WWI

- [1567] L. C. Faulstich, M. Spiliopoulou, and V. Linnemann. WIND: A warehouse for Internet data. *Lecture Notes in Computer Science*, 1271:169–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conrad:1997:SII

- [1568] S. Conrad, M. Hoeding, G. Saake, and I. Schmitt. Schema integration with integrity constraints. *Lecture Notes in Computer Science*, 1271:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xu:1997:MID

- [1569] L. Xu and A. Poulouvasilis. A method for integrating deductive databases. *Lecture Notes in Computer Science*, 1271:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chazelle:1997:DTC

- [1570] B. Chazelle. Discrepancy theory and computational geometry. *Lecture Notes in Computer Science*, 1272:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berretty:1997:DMP

- [1571] R.-P. Berretty, M. Overmars, and A. F. Van der Stappen. Dynamic motion planning in low obstacle density environments. *Lecture Notes in Computer Science*, 1272:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guibas:1997:VBP

- [1572] L. J. Guibas, J.-C. Latombe, S. M. LaValle, and D. Lin. Visibility-based pursuit-evasion in a polygonal environment. *Lecture Notes in Computer Science*, 1272:17–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agarwal:1997:MEM

- [1573] P. K. Agarwal, L. J. Guibas, J. Hershberger, and E. Veach. Maintaining the extent of a moving point set. *Lecture Notes in Computer Science*, 1272:31–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alstrup:1997:FCL

- [1574] S. Alstrup, P. W. Lauridsen, P. Sommerlund, and M. Thorup. Finding cores of limited length. *Lecture Notes in Computer Science*, 1272:45–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shahrokhi:1997:BCL

- [1575] F. Shahrokhi, O. Sykora, L. Szekely, and I. Vrto. On bipartite crossings, largest biplanar subgraphs, and the linear arrangement problem. *Lecture Notes in Computer Science*, 1272:55–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kosaraju:1997:AAG

- [1576] S. Rao Kosaraju, A. A. Schaeffer, and L. G. Biesecker. Approximation algorithms for a genetic diagnostics problem. *Lecture Notes in Computer*

Science, 1272:69–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hershberger:1997:CLS

- [1577] J. Hershberger and J. Snoeyink. Cartographic line simplification and polygon CSG formulae in $O(n \log n)$ time. *Lecture Notes in Computer Science*, 1272:93–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Charikar:1997:CTL

- [1578] M. Charikar, R. Motwani, P. Raghavan, and C. Silverstein. Constrained TSP and low-power computing. *Lecture Notes in Computer Science*, 1272:104–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berman:1997:LLB

- [1579] P. Berman, M. Charikar, and M. Karpinski. On-line load balancing for related machines. *Lecture Notes in Computer Science*, 1272:116–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stojanovic:1997:LTA

- [1580] N. Stojanovic, P. Berman, D. Gumucio, and R. Hardison. A linear-time algorithm for the 1-Mismatch problem. *Lecture Notes in Computer Science*, 1272:126–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Majhi:1997:SGO

- [1581] J. Majhi, R. Janardan, M. Smid, and P. Gupta. On some geometric optimization problems in layered manu-

facturing. *Lecture Notes in Computer Science*, 1272:136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okano:1997:NTC

- [1582] H. Okano, S. Misono, and K. Iwano. New TSP construction heuristics and their relationships to the 2-Opt. *Lecture Notes in Computer Science*, 1272:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amir:1997:PMH

- [1583] A. Amir, M. Lewenstein, and N. Lewenstein. Pattern matching in hypertext. *Lecture Notes in Computer Science*, 1272:160–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baeza-Yates:1997:MAS

- [1584] R. Baeza-Yates and G. Navarro. Multiple approximate string matching. *Lecture Notes in Computer Science*, 1272:174–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dobkin:1997:ACG

- [1585] D. P. Dobkin. Applied computational geometry. *Lecture Notes in Computer Science*, 1272:185–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devillers:1997:CCP

- [1586] O. Devillers, G. Liotta, F. P. Preparata, and R. Tamassia. Checking the convexity of polytopes and the planarity of subdivisions. *Lecture Notes in Computer Science*, 1272:186–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barequet:1997:VDP

- [1587] G. Barequet, M. T. Dickerson, and M. T. Goodrich. Voronoi diagrams for polygon-offset distance functions. *Lecture Notes in Computer Science*, 1272:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Seiden:1997:RAA

- [1588] S. Seiden. Randomized algorithms for that ancient scheduling problem. *Lecture Notes in Computer Science*, 1272:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hayashi:1997:OPA

- [1589] T. Hayashi, K. Nakano, and S. Olariu. Optimal parallel algorithms for proximate points, with applications. *Lecture Notes in Computer Science*, 1272:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eppstein:1997:EAS

- [1590] D. Eppstein and D. W. Hart. An efficient algorithm for shortest paths in vertical and horizontal segments. *Lecture Notes in Computer Science*, 1272:234–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:GPQ

- [1591] D. Z. Chen, O. Daescu, and K. S. Klenk. On geometric path query problems. *Lecture Notes in Computer Science*, 1272:248–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldman:1997:LSH

- [1592] S. A. Goldman, J. Parwatikar, and S. Suri. On-line scheduling with hard deadlines. *Lecture Notes in Computer Science*, 1272:258–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1997:LBM

- [1593] S. K. Das and M. C. Pinotti. Load balanced mapping of data structures in parallel memory modules for fast and conflict-free templates access. *Lecture Notes in Computer Science*, 1272:272–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mulmuley:1997:PVP

- [1594] K. Mulmuley. Parallel vs. parametric complexity. *Lecture Notes in Computer Science*, 1272:282–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lopez-Ortiz:1997:PIN

- [1595] A. Lopez-Ortiz and S. Schuierer. Position-independent near optimal searching and on-line recognition in star polygons. *Lecture Notes in Computer Science*, 1272:284–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Efrat:1997:DDS

- [1596] A. Efrat, M. J. Katz, F. Nielsen, and M. Sharir. Dynamic data structures for fat objects and their applications. *Lecture Notes in Computer Science*, 1272:297–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldwasser:1997:IAS

- [1597] M. Goldwasser and R. Motwani. Intractability of assembly sequencing: Unit disks in the plane. *Lecture Notes in Computer Science*, 1272:307–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Narasimhan:1997:HTS

- [1598] G. Narasimhan. On Hamiltonian triangulations in simple polygons. *Lecture Notes in Computer Science*, 1272:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertolazzi:1997:COD

- [1599] P. Bertolazzi, G. Di Battista, and W. Didimo. Computing orthogonal drawings with the minimum number of bends. *Lecture Notes in Computer Science*, 1272:331–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kwek:1997:SDF

- [1600] S. Kwek. On a simple depth-first search strategy for exploring unknown graphs. *Lecture Notes in Computer Science*, 1272:345–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Papakostas:1997:ODH

- [1601] A. Papakostas and I. G. Tollis. Orthogonal drawing of high degree graphs with small area and few bends. *Lecture Notes in Computer Science*, 1272:354–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Ramnath:1997:CLT

- [1602] S. Ramnath and H. Shen. A centroid labeling technique and its application to path selection in trees. *Lecture Notes in Computer Science*, 1272:368–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barequet:1997:OPA

- [1603] G. Barequet, A. J. Briggs, M. T. Dickerson, and M. T. Goodrich. Offset-polygon annulus placement problems. *Lecture Notes in Computer Science*, 1272:378–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeBerg:1997:CCM

- [1604] M. De Berg, P. Bose, D. Bremner, and S. Ramaswami. Computing constrained minimum-width annuli of point sets. *Lecture Notes in Computer Science*, 1272:392–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Segal:1997:GAP

- [1605] M. Segal and K. Kedem. Geometric applications of posets. *Lecture Notes in Computer Science*, 1272:402–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gupta:1997:CPD

- [1606] H. Gupta and R. Wenger. Constructing pairwise disjoint paths with few links. *Lecture Notes in Computer Science*, 1272:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brodnik:1997:TDA

- [1607] A. Brodnik, P. B. Miltersen, and J. I. Munro. Trans-dichotomous algorithms without multiplication — some upper and lower bounds. *Lecture Notes in Computer Science*, 1272:426–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rethman:1997:AAS

- [1608] J. Rethman and E. Wanke. An approximation algorithm for stacking up bins from a conveyor onto pallets. *Lecture Notes in Computer Science*, 1272:440–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Larsen:1997:RBT

- [1609] K. S. Larsen, E. Soisalon-Soininen, and P. Widmayer. Relaxed balance through standard rotations. *Lecture Notes in Computer Science*, 1272:450–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hershberger:1997:EBR

- [1610] J. Hershberger and S. Suri. Efficient breakout routing in printed circuit boards. *Lecture Notes in Computer Science*, 1272:462–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:PR

- [1611] Z.-Z. Chen, M. Grigni, and C. Papadimitriou. Planarity revisited. *Lecture Notes in Computer Science*, 1272:472–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arehart:1997:BSH

- [1612] A. B. Arehart and W. A. Wolovich. Bumpless switching in hybrid systems. *Lecture Notes in Computer Science*, 1273:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branicky:1997:TPM

- [1613] M. S. Branicky, E. Dolginova, and N. Lynch. A toolbox for proving and maintaining hybrid specifications. *Lecture Notes in Computer Science*, 1273:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branicky:1997:SHS

- [1614] M. S. Branicky and S. E. Mattsson. Simulation of hybrid systems. *Lecture Notes in Computer Science*, 1273:31–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brayman:1997:AKN

- [1615] V. Brayman and J. Vagners. Application of the Kohn-Nerode control law extraction procedure to the inverted pendulum problem. *Lecture Notes in Computer Science*, 1273:57–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Broucke:1997:DHS

- [1616] M. Broucke and P. Varaiya. Decidability of hybrid systems with linear and nonlinear differential inclusions. *Lecture Notes in Computer Science*, 1273:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cofer:1997:RIH

- [1617] D. D. Cofer. Reliable implementation of hybrid control systems for advanced avionics. *Lecture Notes in Computer Science*, 1273:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Deshpande:1997:SFP

- [1618] A. Deshpande, A. Goellue, and P. Varaiya. SHIFT: A formalism and a programming language for dynamic networks of hybrid automata. *Lecture Notes in Computer Science*, 1273:113–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heymann:1997:SMR

- [1619] M. Heymann, F. Lin, and G. Meyer. Synthesis of minimally restrictive legal controllers for a class of hybrid systems. *Lecture Notes in Computer Science*, 1273:134–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Knight:1997:CTM

- [1620] J. F. Knight and B. Luense. Control theory, modal logic, and games. *Lecture Notes in Computer Science*, 1273:160–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kohn:1997:ABV

- [1621] W. Kohn, A. Nerode, and J. B. Remmel. Agent based velocity control of highway systems. *Lecture Notes in Computer Science*, 1273:174–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolen:1997:CAR

- [1622] J. F. Kolen and F. Zhao. A computational analysis of the reachability problem for a class of hybrid dynamical systems. *Lecture Notes in Computer Science*, 1273:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kourjanski:1997:CRH

- [1623] M. Kourjanski and P. Varaiya. A class of rectangular hybrid systems with computable reach set. *Lecture Notes in Computer Science*, 1273:228–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lemmon:1997:SIS

- [1624] M. Lemmon and C. J. Bett. Safe implementations of supervisory commands. *Lecture Notes in Computer Science*, 1273:235–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nerode:1997:HSG

- [1625] A. Nerode, J. B. Remmel, and A. Yakhnis. Hybrid system games: Extraction of control automata with small topologies. *Lecture Notes in Computer Science*, 1273:248–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Oezguener:1997:HCD

- [1626] O. Oezguener, C. Hatipoglu, A. Iftar, and K. Redmill. Hybrid control design for a three vehicle scenario demonstration using overlapping decompositions. *Lecture Notes in Computer Science*, 1273:294–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pappas:1997:TCA

- [1627] G. J. Pappas and S. Sastry. Towards continuous abstractions of dynamical and control systems. *Lecture Notes in Computer Science*, 1273:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Raisch:1997:TOS

- [1628] J. Raisch and S. O’Young. A totally ordered set of discrete abstractions for a given hybrid or continuous system. *Lecture Notes in Computer Science*, 1273:342–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stursberg:1997:CTH

- [1629] O. Stursberg, S. Kowalewski, I. Hoffmann, and J. Preussig. Comparing timed and hybrid automata as approximations of continuous systems. *Lecture Notes in Computer Science*, 1273:361–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tomlin:1997:HCM

- [1630] C. Tomlin, G. Pappas, J. Lygeros, and D. Godbole. Hybrid control models of next generation air traffic management. *Lecture Notes in Computer Science*, 1273:378–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Urquhart:1997:JET

- [1631] K. Urquhart. Java and the emerging technology. *Lecture Notes in Computer Science*, 1274:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nelson:1997:TSL

- [1632] T. H. Nelson. Transcopyright: A simple legal arrangement for sharing, reuse, and republication of copyrighted material on the net. *Lecture Notes in Computer Science*, 1274:7-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hirano:1997:HDE

- [1633] S. Hirano. HORB: Distributed execution of Java programs. *Lecture Notes in Computer Science*, 1274:29-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fukuda:1997:PMA

- [1634] M. Fukuda, L. F. Bic, and M. B. Dillencourt. Performance of the MESSENGERS autonomous-objects-based system. *Lecture Notes in Computer Science*, 1274:43-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wallnau:1997:ECB

- [1635] K. Wallnau, E. Morris, P. Feiler, and A. Earl. Engineering component-based systems with distributed object technology. *Lecture Notes in Computer Science*, 1274:58-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nishioka:1997:LCN

- [1636] T. Nishioka, Y. Hamazaki, and M. Tsukamoto. Local class name space facility for worldwide object-oriented distributed systems environment. *Lecture Notes in Computer Science*, 1274:74-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fuentes:1997:COA

- [1637] L. Fuentes and J. M. Troya. A component-oriented architecture to design multimedia services on a distributed platform. *Lecture Notes in Computer Science*, 1274:90-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cavedon:1997:TTP

- [1638] L. Cavedon, A. Rao, L. Sonenberg, and G. Tidhar. Teamwork via team plans in intelligent autonomous agent systems. *Lecture Notes in Computer Science*, 1274:106-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mizuno:1997:WWI

- [1639] H. Mizuno and H. Fukuoka. WISH: A Web information sharing system accessible via the WWW. *Lecture Notes in Computer Science*, 1274:122-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nakashima:1997:OPC

- [1640] H. Nakashima. Organic programming for cooperative computation. *Lecture Notes in Computer Science*, 1274:133-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grudin:1997:EGS

- [1641] J. Grudin and L. Palen. Emerging groupware successes in major corporations: Studies of adoption and adaptation. *Lecture Notes in Computer Science*, 1274:142-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamakami:1997:ATF

- [1642] T. Yamakami. An approach toward fits evaluation between organizational culture and groupware. *Lecture Notes in Computer Science*, 1274:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujita:1997:RRP

- [1643] K. Fujita and S. Kunifuji. A realization of a reflection of personal information on distributed brainstorming environment. *Lecture Notes in Computer Science*, 1274:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Li:1997:HAM

- [1644] W.-S. Li, K. S. Candan, K. Hirata, and Y. Hara. A hybrid approach to multimedia database systems through integration of semantics and media-based search. *Lecture Notes in Computer Science*, 1274:182–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bayer:1997:UBT

- [1645] R. Bayer. The universal B-tree for multidimensional indexing: General concepts. *Lecture Notes in Computer Science*, 1274:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kamiura:1997:SVL

- [1646] M. Kamiura, H. Oiso, K. Tajima, and K. Tanaka. Spatial views and LOD-based access control in VRML-object databases. *Lecture Notes in Computer Science*, 1274:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Messina:1997:MDI

- [1647] P. Messina. Metacomputing and data-intensive applications. *Lecture Notes in Computer Science*, 1274:226–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nishio:1997:AID

- [1648] S. Nishio and M. Tsukamoto. Architectural issues of database systems in advanced computer networks. *Lecture Notes in Computer Science*, 1274:237–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lange:1997:APM

- [1649] D. B. Lange, M. Oshima, G. Kargoth, and K. Kosaka. Aglets: Programming mobile agents in Java. *Lecture Notes in Computer Science*, 1274:253–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamaguchi:1997:WCM

- [1650] S. Yamaguchi, K.-I. Chinen, and H. Inoue. WWW cache management and its international deployment. *Lecture Notes in Computer Science*, 1274:267–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mansfield:1997:VDA

- [1651] G. Mansfield, E. P. Duarte, M. Kitahashi, and S. Noguchi. VINES: Distributed algorithms for a Web based distributed network management system. *Lecture Notes in Computer Science*, 1274:281–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Radoslavov:1997:ACD

- [1652] P. I. Radoslavov and T. Tokuda. An algorithm for cost-delay balanced trees and its application to wide area network multicast. *Lecture Notes in Computer Science*, 1274:294–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kummerfeld:1997:SID

- [1653] R. J. Kummerfeld. Server initiated delivery of multimedia information. *Lecture Notes in Computer Science*, 1274:309–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moriai:1997:DLO

- [1654] S. Moriai and H. Tokuda. Dynamic loadable object support for real-time Mach kernels. *Lecture Notes in Computer Science*, 1274:318–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwasaki:1997:MKI

- [1655] M. Iwasaki, T. Takeuchi, M. Nakahara, and S. Nakamura. A microkernel for isochronous video-data transfer. *Lecture Notes in Computer Science*, 1274:334–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manning:1997:MMC

- [1656] E. G. Manning, S. Khan, R. Lea, and G. C. Shoja. Metaspaces and mobile computing: Promises and challenges. *Lecture Notes in Computer Science*, 1274:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Budiarto:1997:PLH

- [1657] Budiarto, Kaname Harumoto, Masahiko Tsukamoto, and Shojiro Nishio. Position locking: Handling location dependent queries in mobile computing environment. *Lecture Notes in Computer Science*, 1274:363–378, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hokimoto:1997:RHM

- [1658] A. Hokimoto and T. Nakajima. Robust host mobility supports for adaptive mobile applications. *Lecture Notes in Computer Science*, 1274:379–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Terada:1997:ACI

- [1659] M. Terada, Y. Murayama, and G. Mansfield. Access control for inter-organizational computer network environment. *Lecture Notes in Computer Science*, 1274:394–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Shinjo:1997:WWS

- [1660] Y. Shinjo. The world wide shell based on the object-stacking model. *Lecture Notes in Computer Science*, 1274:410–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sato:1997:DGP

- [1661] Y. Sato and Y. Hamazaki. DeleGate: A general purpose application level gateway. *Lecture Notes in Computer Science*, 1274:426–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agerholm:1997:IBT

- [1662] S. Agerholm and J. Frost. An Isabelle-based theorem prover for VDM-SL. *Lecture Notes in Computer Science*, 1275:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andrews:1997:EFS

- [1663] J. H. Andrews. Executing formal specifications by translation to higher order logic programming. *Lecture Notes in Computer Science*, 1275:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Archer:1997:HST

- [1664] M. Archer and C. Heitmeyer. Human-style theorem proving using PVS. *Lecture Notes in Computer Science*, 1275:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Camilleri:1997:HAV

- [1665] A. J. Camilleri. A hybrid approach to verifying liveness in a symmetric multiprocessor. *Lecture Notes in Computer Science*, 1275:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chetali:1997:FVC

- [1666] B. Chetali and B. Heyd. Formal verification of concurrent programs in LP and in CoQ: A comparative analysis. *Lecture Notes in Computer Science*, 1275:69–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Constable:1997:MPC

- [1667] R. L. Constable. ML programming in constructive type theory. *Lecture Notes in Computer Science*, 1275:87–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Devillers:1997:PIS

- [1668] M. Devillers, D. Griffioen, and O. Mueller. Possibly infinite sequences in theorem provers: A comparative study. *Lecture Notes in Computer Science*, 1275:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dowek:1997:PNF

- [1669] G. Dowek. Proof normalization for a first-order formulation of higher-order logic. *Lecture Notes in Computer Science*, 1275:105–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dutertre:1997:UPE

- [1670] B. Dutertre and S. Schneider. Using a PVS embedding of CSP to verify authentication protocols. *Lecture Notes in Computer Science*, 1275:121–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Harrison:1997:VAP

- [1671] J. Harrison. Verifying the accuracy of polynomial approximations in HOL. *Lecture Notes in Computer Science*, 1275:137–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hirschhoff:1997:FFC

- [1672] D. Hirschhoff. A full formalisation of π -calculus theory in the calculus of constructions. *Lecture Notes in Computer Science*, 1275:153–169, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kapur:1997:RDP

- [1673] D. Kapur. Rewriting, decision procedures and lemma speculation for automated hardware verification. *Lecture Notes in Computer Science*, 1275:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Laangbacka:1997:RRS

- [1674] T. Laangbacka and J. Von Wright. Refining reactive systems in HOL using action systems. *Lecture Notes in Computer Science*, 1275:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mohri:1997:FBT

- [1675] T. Mohri. On formalization of bicategory theory. *Lecture Notes in Computer Science*, 1275:199–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Naraschewski:1997:TOO

- [1676] W. Naraschewski. Towards an object-oriented progification language. *Lecture Notes in Computer Science*, 1275:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Peled:1997:VRS

- [1677] D. Peled. Verification for robust specification. *Lecture Notes in Computer Science*, 1275:231–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Santen:1997:TSM

- [1678] T. Santen. A theory of structured model-based specifications in isabelle/HOL. *Lecture Notes in Computer Science*, 1275:243–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Simons:1997:PPI

- [1679] M. Simons. Proof presentation for isabelle. *Lecture Notes in Computer Science*, 1275:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Slind:1997:DUI

- [1680] K. Slind. Derivation and use of induction schemes in higher-order logic. *Lecture Notes in Computer Science*, 1275:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Slotosch:1997:HOQ

- [1681] O. Slotosch. Higher order quotients and their implementation in Isabelle HOL. *Lecture Notes in Computer Science*, 1275:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wenzel:1997:TCO

- [1682] M. Wenzel. Type classes and overloading in higher-order logic. *Lecture*

Notes in Computer Science, 1275:307–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zammit:1997:CSC

- [1683] V. Zammit. A comparative study of Coq and HOL. *Lecture Notes in Computer Science*, 1275:323–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Das:1997:CFA

- [1684] S. K. Das and M. C. Pinotti. Conflict-free access to templates of trees and hypercubes in parallel memory systems. *Lecture Notes in Computer Science*, 1276:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krizanc:1997:MOP

- [1685] D. Krizanc and L. Zhang. Many-to-one packet routing via matchings. *Lecture Notes in Computer Science*, 1276:11–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Annexstein:1997:MTG

- [1686] F. S. Annexstein, K. A. Berman, and R. Swaminathan. A multi-tree generating routing scheme using acyclic orientations. *Lecture Notes in Computer Science*, 1276:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bertram-Kretzberg:1997:AHP

- [1687] C. Bertram-Kretzberg, T. Hofmeister, and H. Lefmann. An algorithm for Heilbronn’s problem. *Lecture Notes in Computer Science*, 1276:23–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chan:1997:OMP

- [1688] K. W. Chan and F. Y. L. Chin. Optimal multiresolution polygonal approximation. *Lecture Notes in Computer Science*, 1276:32–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:CSC

- [1689] W. Chen, Xiao Wen Deng, K. Wada, and K. Kawaguchi. Constructing a strongly convex superhull of points. *Lecture Notes in Computer Science*, 1276:42–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhu:1997:FRS

- [1690] B. Zhu. Fast range searching with Delaunay triangulations. *Lecture Notes in Computer Science*, 1276:52–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cai:1997:RHC

- [1691] J.-Y. Cai and D. Sivakumar. Resolution of Hartmanis’ conjecture for NL-hard sparse sets. *Lecture Notes in Computer Science*, 1276:62–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reischuk:1997:CLF

- [1692] R. Reischuk. Can large fanin circuits perform reliable computations in the presence of noise? *Lecture Notes in Computer Science*, 1276:72–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grolmusz:1997:SSR

- [1693] V. Grolmusz. On set systems with restricted intersections modulo a composite number. *Lecture Notes in Computer Science*, 1276:82–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takenaga:1997:SVO

- [1694] Y. Takenaga, M. Nouzoe, and S. Yajima. Size and variable ordering of OBDDs representing threshold functions. *Lecture Notes in Computer Science*, 1276:91–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Atteson:1997:PNJ

- [1695] K. Atteson. The performance of neighbor-joining algorithms of phylogeny reconstruction. *Lecture Notes in Computer Science*, 1276:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berry:1997:IET

- [1696] V. Berry and O. Gascuel. Inferring evolutionary trees with strong combinatorial evidence. *Lecture Notes in Computer Science*, 1276:111–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rice:1997:PHB

- [1697] K. Rice and T. Warnow. Parsimony is hard to beat. *Lecture Notes in Computer Science*, 1276:124–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasieniec:1997:CCE

- [1698] L. Gasieniec, J. Jansson, A. Lingas, and A. Oestlin. On the complexity of computing evolutionary trees. *Lecture Notes in Computer Science*, 1276:134–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brattka:1997:CI

- [1699] V. Brattka. Computable invariance. *Lecture Notes in Computer Science*, 1276:146–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1997:SCR

- [1700] Q. Zhou. Subclasses of computable real valued functions. *Lecture Notes in Computer Science*, 1276:156–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weihrauch:1997:CCL

- [1701] K. Weihrauch and X. Zheng. Computability on continuous, lower semi-continuous and upper semi-continuous real functions. *Lecture Notes in Computer Science*, 1276:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hofmeister:1997:COS

- [1702] T. Hofmeister, M. Krause, and H. U. Simon. Contrast-optimal k out of n secret sharing schemes in visual cryptography. *Lecture Notes in Computer Science*, 1276:176–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chua:1997:RTS

- [1703] Seng Kiat Chua and S. Ling. A Rabin-type scheme based on $y^2x^3 + bx^2 \bmod n$. *Lecture Notes in Computer Science*, 1276:186–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kao:1997:OBA

- [1704] M.-Y. Kao, J. Qi, and L. Tan. Optimal bidding algorithms against cheating in multiple-object auctions. *Lecture Notes in Computer Science*, 1276:192–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eades:1997:SAS

- [1705] P. Eades and X. Lin. Spring algorithms and symmetry. *Lecture Notes in Computer Science*, 1276:202–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kashem:1997:GVR

- [1706] M. Abul Kashem, X. Zhou, and T. Nishizeki. Generalized vertex-rankings of partial k -trees. *Lecture Notes in Computer Science*, 1276:212–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:STT

- [1707] L. Chen. A selected tour of the theory of identification matrices. *Lecture Notes in Computer Science*, 1276:222–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liang:1997:EDP

- [1708] Y. D. Liang, Chin Lung Lu, and Chuan Yi Tang. Efficient domination on permutation graphs and trapezoid graphs. *Lecture Notes in Computer Science*, 1276:232–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hsu:1997:PMA

- [1709] W.-L. Hsu. On physical mapping algorithms — an error-tolerant test for the consecutive ones property. *Lecture Notes in Computer Science*, 1276:242–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sankoff:1997:MPB

- [1710] D. Sankoff and M. Blanchette. The median problem for breakpoints in comparative genomics. *Lecture Notes in Computer Science*, 1276:251–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chao:1997:FAA

- [1711] K.-M. Chao. Fast algorithms for aligning sequences with restricted affine gap penalties. *Lecture Notes in Computer Science*, 1276:264–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Qiao:1997:MRP

- [1712] S. Qiao and W. S.-Y Wang. A matrix representation of phylogenetic trees. *Lecture Notes in Computer Science*, 1276:274–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Peng:1997:ENS

- [1713] S.-L. Peng, C.-W. Ho, T.-S. Hsu, and M.-T. Ko. Edge and node searching problems on trees. *Lecture Notes in Computer Science*, 1276:284–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Becker:1997:CNO

- [1714] P. Becker. Construction of nearly optimal multiway trees. *Lecture Notes in Computer Science*, 1276:294–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tsai:1997:OAC

- [1715] K.-H. Tsai and D.-W. Wang. Optimal algorithms for circle partitioning. *Lecture Notes in Computer Science*, 1276:304–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tan:1997:HRM

- [1716] X. Tan and X. Song. Hexagonal routing of multiterminal nets. *Lecture Notes in Computer Science*, 1276:311–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lim:1997:DAP

- [1717] S.-J. Lim and Y.-K. Ng. Design and analysis of parallel set-term unification. *Lecture Notes in Computer Science*, 1276:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kawabe:1997:MCO

- [1718] Y. Kawabe and N. Ishii. On modularity of the completeness in order-sorted term rewriting systems. *Lecture*

Notes in Computer Science, 1276:331–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Su:1997:TVQ

- [1719] K. Su, D. Ding, and H. Chen. A three-valued quantificational logic of context. *Lecture Notes in Computer Science*, 1276:343–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poulakidas:1997:CSS

- [1720] A. S. Poulakidas, A. Srinivasan, O. Egecioglu, and O. Ibarra. A compact storage scheme for fast wavelet-based subregion retrieval. *Lecture Notes in Computer Science*, 1276:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:DAM

- [1721] Y. Zhang, J. Xiao, and X. Zhou. A declustering algorithm for minimizing spatial join cost. *Lecture Notes in Computer Science*, 1276:363–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:FTS

- [1722] L. Wang and X. Jia. Fixed topology Steiner trees and spanning forests with applications in network communications. *Lecture Notes in Computer Science*, 1276:373–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xue:1997:BBA

- [1723] G. Xue. A branch-and-bound algorithm for computing node weighted

Steiner minimum trees. *Lecture Notes in Computer Science*, 1276:383–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kobayashi:1997:CCR

- [1724] Y. Kobayashi, F. Otto, and P. Seebold. A complete characterization of repetitive morphisms over the two-letter alphabet. *Lecture Notes in Computer Science*, 1276:393–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kim:1997:AIS

- [1725] S. M. Kim. An algorithm for identifying spliced languages. *Lecture Notes in Computer Science*, 1276:403–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hertrampf:1997:ST

- [1726] U. Hertrampf. The shapes of trees. *Lecture Notes in Computer Science*, 1276:412–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geidmanis:1997:TLA

- [1727] D. Geidmanis, J. Kaneps, K. Apsitis, and D. Taimina. Tally languages accepted by alternating multitape finite automata. *Lecture Notes in Computer Science*, 1276:422–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwasaki:1997:IST

- [1728] Y. Iwasaki, Y. Kajiwara, K. Obokata, and Y. Igarashi. Independent spanning trees of chordal rings. *Lecture Notes in Computer Science*, 1276:431–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hu:1997:RG

- [1729] Q. Hu, Y. Zhang, and X. Shen. Rearrangeable graphs. *Lecture Notes in Computer Science*, 1276:441–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sung:1997:PTN

- [1730] T.-Y. Sung, T.-Y. Ho, and L.-H. Hsu. Projective torus networks. *Lecture Notes in Computer Science*, 1276:451–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cai:1997:RSA

- [1731] P. Cai and J.-Y. Cai. On the 100% rule of sensitivity analysis in linear programming. *Lecture Notes in Computer Science*, 1276:460–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takeuchi:1997:ETP

- [1732] F. Takeuchi and H. Imai. Enumerating triangulations for products of two simplices and for arbitrary configurations of points. *Lecture Notes in Computer Science*, 1276:470–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Han:1997:TSG

- [1733] Z. Han and R. Lu. Tree structure genetic algorithm with a nourishment mechanism. *Lecture Notes in Computer Science*, 1276:482–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wu:1997:ASP

- [1734] X. Wu. An approach to scalability of parallel matrix multiplication algorithms. *Lecture Notes in Computer Science*, 1276:492–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Liu:1997:LAM

- [1735] H. Liu, E. Song, and R. Sotudeh. Limited acceleration mechanism for cell loss free flow control in ATM networks. *Lecture Notes in Computer Science*, 1276:502–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:TJB

- [1736] Y. Chen and Q. Li. They are just butterflies. *Lecture Notes in Computer Science*, 1276:512–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vitanyi:1997:MS

- [1737] P. Vitanyi. Mutual search. *Lecture Notes in Computer Science*, 1276:514–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Teng:1997:EEG

- [1738] S.-H. Teng. Eigenvalues, eigenvectors, and graph partitioning. *Lecture Notes in Computer Science*, 1276:515–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Agibalov:1997:PCF

- [1739] G. P. Agibalov. Parallel computations on finite partially ordered sets. *Lecture Notes in Computer Science*, 1277:1–??,

1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:TLB

- [1740] L. Chen. Tight lower bounds for computing shortest paths on proper interval and bipartite permutation graphs. *Lecture Notes in Computer Science*, 1277:7–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dietz:1997:URT

- [1741] R. D. Dietz, T. L. Casavant, T. E. Scheetz, and T. A. Braun. Using runtime uncertainty to robustly schedule parallel computation. *Lecture Notes in Computer Science*, 1277:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hartmann:1997:TBD

- [1742] P. Hartmann. A tuple-based data structure for distributed parallel processing of 3D dynamic meshes. *Lecture Notes in Computer Science*, 1277:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khenner:1997:APC

- [1743] M. V. Khenner, D. V. Lyubimov, B. Roux, and S. V. Shklyaev. The application of parallel computations technique to the solution of certain hydrodynamic stability problems. *Lecture Notes in Computer Science*, 1277:40–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kushnarenko:1997:FFA

- [1744] O. Kushnarenko and P. Schnoebelen. A formal framework for the analysis of recursive-parallel programs. *Lecture Notes in Computer Science*, 1277:45–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Likhoded:1997:SDD

- [1745] N. A. Likhoded and A. A. Tiountchik. Systematic design of 3-dimensional fixed-size array processors. *Lecture Notes in Computer Science*, 1277:60–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lomazova:1997:PLD

- [1746] I. Lomazova. On proving large distributed systems: Petri net modules verification. *Lecture Notes in Computer Science*, 1277:70–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pudov:1997:ISC

- [1747] S. Pudov. Influence of self-connection weights on cellular-neural network stability. *Lecture Notes in Computer Science*, 1277:76–82, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sakellariou:1997:EPS

- [1748] R. Sakellariou. Estimating the parallel start — up overhead for parallelizing compilers. *Lecture Notes in Computer Science*, 1277:83–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Seredynski:1997:PDE

- [1749] F. Seredynski, P. Bouvry, and F. Arbab. Parallel and distributed evolutionary computation with MANIFOLD. *Lecture Notes in Computer Science*, 1277:94–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Severyanov:1997:PCF

- [1750] V. Severyanov. Parallel computation of fractal sets with the help of neural networks and cellular automata. *Lecture Notes in Computer Science*, 1277:109–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sokolov:1997:TDA

- [1751] V. A. Sokolov, E. E. Roubtsova, and S. A. Roubtsov. On a technology of design and analysis of dataflow programs. *Lecture Notes in Computer Science*, 1277:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stoutchinin:1997:ILP

- [1752] A. Stoutchinin. An integer linear programming model of software pipelining for the MIPS R8000 processor. *Lecture Notes in Computer Science*, 1277:121–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valkovskii:1997:CCA

- [1753] V. Valkovskii and D. Zerbino. Computations on cellular automata with defects. *Lecture Notes in Computer Science*, 1277:136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:EIIB

- [1754] T. Yang. Efficient implementation of the improved unsymmetric Lanczos process on massively distributed memory computers. *Lecture Notes in Computer Science*, 1277:145–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alpkocak:1997:SGF

- [1755] A. Alpkocak and E. Ozkarahan. A spatial grid file for multimedia data representation. *Lecture Notes in Computer Science*, 1277:156–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bessonov:1997:OTP

- [1756] O. Bessonov and B. Roux. Optimization techniques and performance analysis for different serial and parallel RISC-based computers. *Lecture Notes in Computer Science*, 1277:168–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borshchev:1997:ADE

- [1757] A. V. Borshchev, Y. G. Karpov, V. V. Roudakov, and A. Filippov. Analysis of a distributed election algorithm using COVERS 3.0 — A case study. *Lecture Notes in Computer Science*, 1277:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeDinechin:1997:USP

- [1758] B. D. De Dinechin. A unified software pipeline construction scheme for modulo scheduled loops. *Lecture Notes in Computer Science*, 1277:189–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Germain:1997:HCS

- [1759] C. Germain, J. Laminie, M. Pallud, and D. Etiemble. An HPF case study of a domain-decomposition based irregular application. *Lecture Notes in Computer Science*, 1277:201–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hluchy:1997:HAT

- [1760] L. Hluchy, M. Dobrucky, and J. Astalos. Hybrid approach to task allocation in distributed systems. *Lecture Notes in Computer Science*, 1277:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kwak:1997:VMN

- [1761] H. Kwak, B. Lee, and A. R. Hurson. Viability of multithreading on networks of workstations. *Lecture Notes in Computer Science*, 1277:216–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jegou:1997:TMF

- [1762] Y. Jegou. Task migration and fine grain parallelism on distributed memory architectures. *Lecture Notes in Computer Science*, 1277:226–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

On:1997:SBV

- [1763] G.-W. On, B.-S. Lee, C.-E. Hong, and D.-H. Chi. A scheme for building visual debugging environment with dynamic debugging method for parallel systems. *Lecture Notes in Computer*

Science, 1277:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Papadopoulos:1997:CDC

- [1764] G. A. Papadopoulos and F. Arbab. Control-driven coordination programming in shared dataspace. *Lecture Notes in Computer Science*, 1277:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ten:1997:PAG

- [1765] S. V. Ten and K. Otsuyama. Performance analysis of geometric modeling algorithm. *Lecture Notes in Computer Science*, 1277:262–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trichina:1997:VTS

- [1766] E. Trichina and J. Oinonen. 3D visual tool supporting derivation of parallel programs for MIMD systems. *Lecture Notes in Computer Science*, 1277:268–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:SAP

- [1767] J. Wang, J. Li, and H. Kameda. Scheduling algorithms for parallel transaction processing systems. *Lecture Notes in Computer Science*, 1277:283–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cappello:1997:CPA

- [1768] F. Cappello and D. Etiemble. Communications in parallel architectures and

networks of workstations: From standardisation to new standards. *Lecture Notes in Computer Science*, 1277:298–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goossens:1997:MVC

- [1769] B. Goossens. A multithreaded vector co-processor. *Lecture Notes in Computer Science*, 1277:311–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoffmann:1997:HSC

- [1770] R. Hoffmann and K.-P. Voelkmann. Hardware support for 3D cellular processing. *Lecture Notes in Computer Science*, 1277:322–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Achasova:1997:CNL

- [1771] S. M. Achasova. Cellular neural-like algorithms with heuristics for solving combinatorial optimization problems. *Lecture Notes in Computer Science*, 1277:330–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Balandin:1997:AMS

- [1772] M. Balandin, O. Chernyshev, and E. Shurina. Analysis of methods for solving large-scale non-symmetric linear systems with sparsed matrices. *Lecture Notes in Computer Science*, 1277:336–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fabero:1997:PSN

- [1773] J. C. Fabero, A. Bautista, and L. Casaus. Parallel simulation of non-linear phenomena with cellular automata. *Lecture Notes in Computer Science*, 1277:344–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khajdukov:1997:MSW

- [1774] V. G. Khajdukov, V. D. Korneev, V. I. Kostin, and V. V. Kovalevsky. Modelling of seismic wave propagation for 2D media (direct and inverse problems). *Lecture Notes in Computer Science*, 1277:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klimova:1997:DGP

- [1775] O. V. Klimova. Decomposition on a group and parallel convolution and Fast Fourier Transform algorithms. *Lecture Notes in Computer Science*, 1277:358–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iiin:1997:PIS

- [1776] V. P. Ii'in. Parallel implementation of symmetric alternating direction implicit methods. *Lecture Notes in Computer Science*, 1277:364–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Markova:1997:CCA

- [1777] V. Markova and S. Piskunov. Construction of composed ALT-models of cellular architectures. *Lecture Notes in Computer Science*, 1277:371–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Onuphre:1997:PCU

- [1778] E. Onuphre and A. Chambarel. Parallel computation of an unsteady compressible flow. *Lecture Notes in Computer Science*, 1277:377–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sinitsyn:1997:PST

- [1779] I. N. Sinitsyn. Parallel simulation technologies for stochastic systems. *Lecture Notes in Computer Science*, 1277:383–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Akimova:1997:PDA

- [1780] E. N. Akimova. Parallel direct algorithms for solution of sparse linear systems. *Lecture Notes in Computer Science*, 1277:389–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dikenelli:1997:SPP

- [1781] O. Dikenelli, O. Ozkasap, and E. Ozkarahan. Scheduling parallel programs involving parallel database interactions. *Lecture Notes in Computer Science*, 1277:391–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaliaev:1997:BMM

- [1782] A. Kaliaev, I. Kaliaev, and I. Levin. The base module of multiprocessor system with structural-procedural organization of computing. *Lecture Notes in Computer Science*, 1277:394–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koch:1997:BPP

- [1783] W. Koch. Bitwise processing — a paradigm for deriving parallel algorithms. *Lecture Notes in Computer Science*, 1277:396–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moreno:1997:TSN

- [1784] E. D. Moreno, S. T. Kofuji, M. Stumm, and T. Abdelrahman. Tuning shared network cache size vs. second-level cache size in clusters-based multiprocessors. *Lecture Notes in Computer Science*, 1277:398–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeOliveira:1997:SMA

- [1785] P. P. B. De Oliveira. A simple, multi-architecture, parallel procedure for generating combinations. *Lecture Notes in Computer Science*, 1277:400–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Samofalov:1997:PDP

- [1786] V. Samofalov and A. Konovalov. Processing and debugging of parallel programs on the level of task model. *Lecture Notes in Computer Science*, 1277:402–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tiountchik:1997:SME

- [1787] A. A. Tiountchik. Systolic modular exponentiation. *Lecture Notes in Computer Science*, 1277:404–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:HPI

- [1788] T. Yang and H.-X. Lin. The highly parallel incomplete Gram–Schmidt preconditioner. *Lecture Notes in Computer Science*, 1277:406–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borshchev:1997:CCB

- [1789] A. V. Borshchev, Y. G. Karpov, V. V. Roudakov, and A. Filippov. COVERS 3.0 — A C++ based graphical modeling and simulation tool. *Lecture Notes in Computer Science*, 1277:409–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pogudin:1997:SCC

- [1790] Y. Pogudin and O. Bandman. Simulating cellular computations with ALT. A tutorial. *Lecture Notes in Computer Science*, 1277:424–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vazhenin:1997:SFS

- [1791] A. Vazhenin and V. Morozov. SPARTH: a family of systems for parallel high-accuracy computations. *Lecture Notes in Computer Science*, 1277:436–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Conrad:1997:MCC

- [1792] M. Conrad and K.-P. Zauner. Molecular computing: From conformational pattern recognition to complex processing networks. *Lecture Notes in Computer Science*, 1278:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Prusinkiewicz:1997:LVM

- [1793] P. Prusinkiewicz. A look at the visual modeling of plants using L-systems. *Lecture Notes in Computer Science*, 1278:11–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lim:1997:BCD

- [1794] H. Lim. Bioinformatics and cheminformatics in the drug discovery cycle. *Lecture Notes in Computer Science*, 1278:30–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Apweiler:1997:NDL

- [1795] R. Apweiler, V. Junker, A. Gateau, and C. O'Donovan. New developments in linking of biological databases and computer-generation of annotation: SWISS-PROT and its computer-annotated supplement TREMBL. *Lecture Notes in Computer Science*, 1278:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Salas:1997:EEG

- [1796] F. Salas, J. Haas, G. Overton, and C. Stoeckert. EpoDB: An erythropoiesis gene expression database in progress. *Lecture Notes in Computer Science*, 1278:52–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Havel:1997:RAM

- [1797] T. Havel, S. Hyberts, and I. Najfeld. Recent advances in molecular distance geometry. *Lecture Notes in Computer Science*, 1278:62–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Collado-Vides:1997:TMG

- [1798] J. Collado-Vides, A. Huerta, and K. Klose. Three models of gene regulation in *E. coli*. *Lecture Notes in Computer Science*, 1278:72–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frech:1997:NMD

- [1799] K. Frech, K. Quandt, and T. Werner. A new method to develop highly specific models for regulatory DNA-Regions. *Lecture Notes in Computer Science*, 1278:79–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Breuel:1997:TOO

- [1800] G. Breuel and E. Gilles. Towards an object-oriented framework for the modeling of integrated metabolic processes. *Lecture Notes in Computer Science*, 1278:88–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kel:1997:TCD

- [1801] A. Kel, O. Kel, O. Vishnevsky, and M. Ponomarenko. TRRD and COMPEL databases on transcription linked to TRANSFAC as tools for analysis and recognition of regulatory sequences. *Lecture Notes in Computer Science*, 1278:99–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grigoriev:1997:IHD

- [1802] A. Grigoriev, H. Lehrach, and J. Kumlien. Integrating heterogeneous

datasets in genomic mapping: Radiation hybrids, YACS, genes and STS markers over the entire human chromosome X. *Lecture Notes in Computer Science*, 1278:106–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schwikowski:1997:CAG

- [1803] B. Schwikowski and M. Vingron. A clustering approach to generalized tree alignment with application to ALU repeats. *Lecture Notes in Computer Science*, 1278:115–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bornberg-Bauer:1997:SFM

- [1804] E. Bornberg-Bauer. Simple folding model for HP lattice proteins. *Lecture Notes in Computer Science*, 1278:125–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zimmer:1997:FPP

- [1805] R. Zimmer and R. Thiele. Fast protein fold recognition and accurate sequence-structure alignment. *Lecture Notes in Computer Science*, 1278:137–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VonderLieth:1997:CSC

- [1806] C.-W. Von der Lieth, E. Lang, and T. Kozar. Carbohydrates: Second-class citizens in biomedicine and bioinformatics? *Lecture Notes in Computer Science*, 1278:147–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goebel:1997:SCN

- [1807] U. Goebel, C. Forst, and P. Schuster. Structural constraints and neutrality in RNA. *Lecture Notes in Computer Science*, 1278:156–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schwab:1997:SAF

- [1808] C. Schwab, S. Handschuh, A. Teckentrup, and M. Wagener. A systematic approach to finding new lead structures having biological activity. *Lecture Notes in Computer Science*, 1278:166–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kaps:1997:VAC

- [1809] A. Kaps, K. Heumann, D. Frishman, and M. Baehr. Visualization and analysis of the complete yeast genome. *Lecture Notes in Computer Science*, 1278:178–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suehnel:1997:VRM

- [1810] J. Suehnel. Virtual reality modeling for structural biology. *Lecture Notes in Computer Science*, 1278:189–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dassow:1997:EGG

- [1811] J. Dassow and V. Mitrana. Evolutionary grammars: A grammatical model for genome evolution. *Lecture Notes in Computer Science*, 1278:199–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choffrut:1997:GRR

- [1823] C. Choffrut and L. Guerra. Generalized rational relations and their logical definability. *Lecture Notes in Computer Science*, 1279:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciebiera:1997:NBL

- [1824] K. Ciebiera and A. Malinowski. A note on broadcasting with linearly bounded transmission faults in constant degree networks. *Lecture Notes in Computer Science*, 1279:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cucker:1997:LWC

- [1825] F. Cucker and K. Meer. Logics which capture complexity classes over the reals. *Lecture Notes in Computer Science*, 1279:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drewes:1997:CDC

- [1826] F. Drewes, H.-J. Kreowski, and D. Lapoire. Criteria to disprove context-freeness of collage languages. *Lecture Notes in Computer Science*, 1279:169–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frid:1997:SCF

- [1827] A. E. Frid. The subword complexity of fixed points of binary uniform morphisms. *Lecture Notes in Computer Science*, 1279:179–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasieniec:1997:EPC

- [1828] L. Gasieniec and P. Indyk. Efficient parallel computing with memory faults. *Lecture Notes in Computer Science*, 1279:188–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gruska:1997:BC

- [1829] D. P. Gruska. Bounded concurrency. *Lecture Notes in Computer Science*, 1279:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hammar:1997:CTB

- [1830] M. Hammar and B. J. Nilsson. Concerning the time bounds of existing shortest watchman route algorithms. *Lecture Notes in Computer Science*, 1279:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hemaspaandra:1997:QOP

- [1831] E. Hemaspaandra, L. A. Hemaspaandra, and H. Hempel. Query order in the polynomial hierarchy. *Lecture Notes in Computer Science*, 1279:222–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hertrampf:1997:PTM

- [1832] U. Hertrampf. Polynomial time machines equipped with word problems over algebraic structures as their acceptance criteria. *Lecture Notes in Computer Science*, 1279:233–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karhumaeki:1997:PMP

- [1833] J. Karhumaeki, W. Plandowski, and W. Rytter. Pattern-matching problems for 2-dimensional images described by finite automata. *Lecture Notes in Computer Science*, 1279:245–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kopenhagen:1997:CCC

- [1834] U. Kopenhagen and E. W. Mayr. The complexity of the coverability, the containment, and the equivalence problems for commutative semigroups. *Lecture Notes in Computer Science*, 1279:257–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kudlek:1997:CGD

- [1835] M. Kudlek, S. Marcus, and A. Mateescu. Contextual grammars with distributed catenation and shuffle. *Lecture Notes in Computer Science*, 1279:269–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kuehnemann:1997:TDH

- [1836] A. Kuehnemann. A two-dimensional hierarchy for attributed tree transducers. *Lecture Notes in Computer Science*, 1279:281–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

LaTorre:1997:SWC

- [1837] S. La Torre, M. Napoli, and M. Parente. Synchronization of 1-Way connected processors. *Lecture Notes in Computer Science*, 1279:293–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levcopoulos:1997:LTH

- [1838] C. Levcopoulos and J. Gudmundsson. A linear-time heuristic for minimum rectangular coverings. *Lecture Notes in Computer Science*, 1279:305–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lomazova:1997:ONS

- [1839] I. A. Lomazova. On occurrence net semantics for Petri nets with contacts. *Lecture Notes in Computer Science*, 1279:317–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin:1997:CAU

- [1840] B. Martin. Cellular automata universality revisited. *Lecture Notes in Computer Science*, 1279:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mavronicolas:1997:TRC

- [1841] M. Mavronicolas and N. Papadakis. Trade-off results for connection management. *Lecture Notes in Computer Science*, 1279:340–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nebel:1997:ACM

- [1842] M. E. Nebel. On the average complexity of the membership problem for a generalized dyck language. *Lecture Notes in Computer Science*, 1279:352–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Niedermeier:1997:TOL

- [1843] R. Niedermeier, K. Reinhardt, and P. Sanders. Towards optimal locality in mesh-indexings. *Lecture Notes in Computer Science*, 1279:364–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Okol'nishnikova:1997:HNB

- [1844] E. A. Okol'nishnikova. On the hierarchy of nondeterministic branching k -programs. *Lecture Notes in Computer Science*, 1279:376–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Otto:1997:FUF

- [1845] F. Otto and A. Sattler-Klein. FDT is undecidable for finitely presented monoids with solvable word problems. *Lecture Notes in Computer Science*, 1279:388–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Petersen:1997:EPS

- [1846] H. Petersen. The equivalence of pebbles and sensing heads for finite automata. *Lecture Notes in Computer Science*, 1279:400–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rabinovich:1997:FAT

- [1847] A. Rabinovich and B. A. Trakhtenbrot. From finite automata toward hybrid systems. *Lecture Notes in Computer Science*, 1279:411–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sadowski:1997:OQP

- [1848] Z. Sadowski. On an optimal quantified propositional proof system and a complete language for NP intersection co-NP. *Lecture Notes in Computer Science*, 1279:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schuieler:1997:LBL

- [1849] S. Schuieler. Lower bounds in on-line geometric searching. *Lecture Notes in Computer Science*, 1279:429–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stephan:1997:CUT

- [1850] F. C. Stephan and S. A. Terwijn. The complexity of universal text-learners. *Lecture Notes in Computer Science*, 1279:441–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Verma:1997:UNF

- [1851] R. M. Verma. Unique normal forms for nonlinear term rewriting systems: Root overlaps. *Lecture Notes in Computer Science*, 1279:452–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Virbitskaite:1997:BCP

- [1852] I. Virbitskaite and A. Votintseva. Behavioural characterisations of partial order logics. *Lecture Notes in Computer Science*, 1279:463–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hand:1997:IDA

- [1853] David J. Hand. Intelligent data analysis: Issues and opportunities. *Lecture Notes in Computer Science*, 1280: 1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800001.pdf>.

Apte:1997:DHC

- [1854] Chidanand Apte, Se June Hong, Jonathan R. M. Hosking, Jorge Lepre, Edwin P. D. Pednault, and Barry K. Rosen. Decomposition of heterogeneous classification problems. *Lecture Notes in Computer Science*, 1280:17–28, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800017.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800017.pdf>.

Muller:1997:MDS

- [1855] Michael William Muller. Managing dialogue in a statistical expert assistant with a cluster-based user model. *Lecture Notes in Computer Science*, 1280: 29–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800029.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800029.pdf>.

McGeoch:1997:HFB

- [1856] C. C. McGeoch, D. Precup, and P. R. Cohen. How to find big-oh in your data set (and how not to). *Lecture Notes in Computer Science*, 1280:41–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800041.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800041.pdf>.

Berry:1997:DCU

- [1857] Ian Berry and Paul Gough. Data classification using a W.I.S.E. toolbox. *Lecture Notes in Computer Science*, 1280: 53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800053.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800053.pdf>.

Cornish:1997:MMC

- [1858] Tremaine A. O. Cornish. Mill’s methods for complete intelligent data analysis. *Lecture Notes in Computer Science*, 1280:65–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800065.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800065.pdf>.

Gregory:1997:IMT

- [1859] Dawn E. Gregory and Paul R. Cohen. Integrating many techniques for

discovering structure in data. *Lecture Notes in Computer Science*, 1280:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800077.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800077.pdf>.

Levinson:1997:MRD

- [1860] Robert Levinson and Jeff Wilkinson. Meta-reasoning for data analysis tool allocation. *Lecture Notes in Computer Science*, 1280:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800089.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800089.pdf>.

StAmant:1997:NDA

- [1861] Robert St. Amant. Navigation for data analysis systems. *Lecture Notes in Computer Science*, 1280:101–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800101.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800101.pdf>.

Tsien:1997:ADC

- [1862] Christine L. Tsien and James C. Fackle. An annotated data collection system to support intelligent analysis of intensive care unit data. *Lecture*

Notes in Computer Science, 1280:111–121, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800111.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800111.pdf>.

Yu:1997:CAU

- [1863] Hairong Yu and Arthur Ramer. A combined approach to uncertain data analysis. *Lecture Notes in Computer Science*, 1280:123–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800123.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800123.pdf>.

Schadler:1997:CAD

- [1864] Kristina Schädler and Fritz Wysotzki. A connectionist approach to the distance-based analysis of relational data. *Lecture Notes in Computer Science*, 1280:137–148, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800137.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800137.pdf>.

Schaedler:1997:CAD

- [1865] K. Schaedler and F. Wysotzki. A connectionist approach to the distance-based analysis of relational data. *Lecture Notes in Computer Science*, 1280:

137-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glover:1997:EGB

- [1866] Robin Glover and Peter Sharpe. Efficient GA based techniques for automating the design of classification models. *Lecture Notes in Computer Science*, 1280:149-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800149.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800149.pdf>.

Lam:1997:DRM

- [1867] C. P. Lam, G. A. W. West, and T. M. Caelli. Data representations and machine learning techniques. *Lecture Notes in Computer Science*, 1280:161-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800161.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800161.pdf>.

Lo:1997:DKD

- [1868] Suzanne Lo and A. Famili. Development of a knowledge-driven constructive induction mechanism. *Lecture Notes in Computer Science*, 1280:173-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800173.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800173.pdf>.

[/link.springer-ny.com/link/service/series/0558/papers/1280/12800173.pdf](http://link.springer-ny.com/link/service/series/0558/papers/1280/12800173.pdf).

Gama:1997:OLT

- [1869] João Gama. Oblique linear tree. *Lecture Notes in Computer Science*, 1280:187-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800187.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800187.pdf>.

Haring:1997:FSN

- [1870] S. Haring, J. N. Kok, and M. C. Van Wezel. Feature selection for neural networks through functional links found by evolutionary computation. *Lecture Notes in Computer Science*, 1280:199-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wezel:1997:FSN

- [1871] S. Haring, J. N. Kok, and M. C. van Wezel. Feature selection for neural networks through functional links found by evolutionary computation. *Lecture Notes in Computer Science*, 1280:199-??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800199.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800199.pdf>.

Jensen:1997:BSM

- [1872] David Jensen, Tim Oates, and Paul R. Cohen. Building simple models: A case study with decision trees. *Lecture Notes in Computer Science*, 1280: 211–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800211.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800211.pdf>.

Piccardi:1997:ESL

- [1873] M. Piccardi, R. Cucchiara, M. Bariani, and P. Mello. Exploiting symbolic learning in visual inspection. *Lecture Notes in Computer Science*, 1280:223–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800223.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800223.pdf>.

Scott:1997:FCE

- [1874] P. D. Scott, R. J. Williams, and K. M. Ho. Forming categories in exploratory data analysis and data mining. *Lecture Notes in Computer Science*, 1280: 235–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800235.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800235.pdf>.

Someren:1997:SDG

- [1875] Maarten van Someren, Cristina Torres, and Floor Verdenius. A systematic description of greedy optimisation algorithms for cost sensitive generalisation. *Lecture Notes in Computer Science*, 1280:247–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800247.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800247.pdf>.

VanSomeren:1997:SDG

- [1876] M. Van Someren, C. Torres, and F. Verdenius. A systematic description of greedy optimisation algorithms for cost sensitive generalisation. *Lecture Notes in Computer Science*, 1280:247–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Valtchev:1997:DMC

- [1877] Petko Valtchev and Jérôme Euzenat. Dissimilarity measure for collections of objects and values. *Lecture Notes in Computer Science*, 1280:259–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800259.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800259.pdf>.

Vullings:1997:ESU

- [1878] H. J. L. M. Vullings, M. H. G. Verhaegen, and H. B. Verbruggen. ECG

segmentation using time-warping. *Lecture Notes in Computer Science*, 1280: 275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800275.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800275.pdf>.

Bellazzi:1997:ILD

- [1879] Riccardo Bellazzi, Cristiana Larizza, and Alberto Riva. Interpreting longitudinal data through temporal abstractions: An application to diabetic patients monitoring. *Lecture Notes in Computer Science*, 1280:287–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800287.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800287.pdf>.

Kamp:1997:ISM

- [1880] Vera Kamp and Frank Wietek. Intelligent support for multidimensional data analysis in environmental epidemiology. *Lecture Notes in Computer Science*, 1280:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800299.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800299.pdf>.

Gunn:1997:NPA

- [1881] Steve R. Gunn, Martin Brown, and Kev M. Bossley. Network performance assessment for neurofuzzy data modelling. *Lecture Notes in Computer Science*, 1280:313–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800313.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800313.pdf>.

Nascimento:1997:GAF

- [1882] Susana Nascimento and Fernando Moura-Pires. A genetic approach to fuzzy clustering with a validity measure fitness function. *Lecture Notes in Computer Science*, 1280:325–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800325.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800325.pdf>.

Roadknight:1997:AAN

- [1883] C. M. Roadknight, D. Palmer-Brown, and G. E. Mills. The analysis of artificial neural network data models. *Lecture Notes in Computer Science*, 1280: 337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800337.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800337.pdf>.

Huber:1997:SDA

- [1884] Klaus-Peter Huber and Michael R. Berthold. Simulation data analysis using fuzzy graphs. *Lecture Notes in Computer Science*, 1280:347–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800347.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800347.pdf>.

Klawonn:1997:MAF

- [1885] Frank Klawonn and Erich-Peter Klement. Mathematical analysis of fuzzy classifiers. *Lecture Notes in Computer Science*, 1280:359–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800359.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800359.pdf>.

Lapp:1997:NFD

- [1886] A. Lapp and H.-G. Kranz. Neuro-fuzzy diagnosis system with a rated diagnosis reliability and visual data analysis. *Lecture Notes in Computer Science*, 1280:371–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800371.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800371.pdf>.

Turhan:1997:GFC

- [1887] Meltem Turhan. Genetic fuzzy clustering by means of discovering membership functions. *Lecture Notes in Computer Science*, 1280:383–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800383.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800383.pdf>.

McSherry:1997:SIE

- [1888] David McSherry. A strategy for increasing the efficiency of rule discovery in data mining. *Lecture Notes in Computer Science*, 1280:397–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800397.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800397.pdf>.

Schnattinger:1997:ITA

- [1889] Klemens Schnattinger and Udo Hahn. Intelligent text analysis for dynamically maintaining and updating domain knowledge bases. *Lecture Notes in Computer Science*, 1280:409–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800409.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800409.pdf>.

Schlosser:1997:KDE

- [1890] Michael Schlosser. Knowledge discovery in endgame databases. *Lecture Notes in Computer Science*, 1280:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800423.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800423.pdf>.

Darlington:1997:PIA

- [1891] John Darlington, Yi ke Guo, Jan-jao Sutiwaraphun, and Hing Wing To. Parallel induction algorithms for data mining. *Lecture Notes in Computer Science*, 1280:437–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800437.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800437.pdf>.

Robinson:1997:DAQ

- [1892] J. Robinson and B. G. T. Lowden. Data analysis for query processing. *Lecture Notes in Computer Science*, 1280:447–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800447.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800447.pdf>.

Siklossy:1997:DD

- [1893] Laurent Siklóssy and Marc Ayel. Datum discovery. *Lecture Notes in Computer Science*, 1280:459–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800459.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800459.pdf>.

Yuanhui:1997:CAE

- [1894] Zhou Yuanhui, Lu Yuchang, and Shi Chunyi. A connectionist approach to extracting knowledge from databases. *Lecture Notes in Computer Science*, 1280:465–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800465.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800465.pdf>.

Zhou:1997:CAE

- [1895] Y. Zhou, Y. Lu, and C. Shi. A connectionist approach to extracting knowledge from databases. *Lecture Notes in Computer Science*, 1280:465–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

vandenEijkel:1997:MPW

- [1896] G. C. van den Eijkel, J. C. A. Van der Lubbe, and E. Backer. A modulated Parzen-windows approach for probability density estimation. *Lecture Notes in Computer Science*, 1280:479–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800479.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800479.pdf>.

Garcia:1997:IEQ

- [1897] M. Rueda García, A. Arcos Cebrián, and E. Artés Rodríguez. Improvement on estimating quantiles in finite population using indirect methods of estimation. *Lecture Notes in Computer Science*, 1280:491–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800491.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800491.pdf>.

Kharin:1997:RCU

- [1898] Yuriy Kharin. Robustness of clustering under outliers. *Lecture Notes in Computer Science*, 1280:501–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800501.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800501.pdf>.

Schikuta:1997:BCS

- [1899] Erich Schikuta and Martin Erhart. The BANG-clustering system: Grid-based data analysis. *Lecture Notes in Computer Science*, 1280:513–??, 1997. CODEN LNCS9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800513.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800513.pdf>.

Liu:1997:TDM

- [1900] W. Z. Liu, A. P. White, S. G. Thompson, and M. A. Bramer. Techniques for dealing with missing values in classification. *Lecture Notes in Computer Science*, 1280:527–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800527.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800527.pdf>.

Ramoni:1997:UEK

- [1901] Marco Ramoni and Paola Sebastiani. The use of exogenous knowledge to learn Bayesian networks from incomplete databases. *Lecture Notes in Computer Science*, 1280:537–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800537.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800537.pdf>.

Wu:1997:RAO

- [1902] John X. Wu, Gongxian Cheng, and Xiaohui Liu. Reasoning about outliers by modelling noisy data. *Lecture Notes in Computer Science*, 1280:549–

??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800549.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800549.pdf>.

Bradley:1997:RAS

[1903] Elizabeth Bradley and Matthew Easley. Reasoning about sensor data for automated system identification. *Lecture Notes in Computer Science*, 1280:561–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800561.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800561.pdf>.

Howe:1997:MDE

[1904] Adele E. Howe and Gabriel Somlo. Modelling discrete event sequences as state transition diagrams. *Lecture Notes in Computer Science*, 1280:573–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800573.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800573.pdf>.

Boyd:1997:DDP

[1905] Sarah Boyd. Detecting and describing patterns in time-varying data using wavelets. *Lecture Notes in Computer Science*, 1280:585–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800585.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800585.pdf>.

Schieffer:1997:DTB

[1906] Björn Schieffer and Günter Hotz. Diagnosis of tank ballast systems. *Lecture Notes in Computer Science*, 1280:597–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800597.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800597.pdf>.

Wolkenhauer:1997:QUM

[1907] Olaf Wolkenhauer. Qualitative uncertainty models from random set theory. *Lecture Notes in Computer Science*, 1280:609–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1280/12800609.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1280/12800609.pdf>.

Milner:1997:SNH

[1908] R. Milner. Strong normalisation in higher-order action calculi. *Lecture Notes in Computer Science*, 1281:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garrigue:1997:EMS

- [1909] J. Garrigue and D. Remy. Extending ML with semi-explicit higher-order polymorphism. *Lecture Notes in Computer Science*, 1281:20–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aiken:1997:ORP

- [1910] A. Aiken, E. L. Wimmers, and J. Palsberg. Optimal representations of polymorphic types with subtyping. *Lecture Notes in Computer Science*, 1281:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ariola:1997:CLC

- [1911] Z. M. Ariola and S. Blom. Cyclic lambda calculi. *Lecture Notes in Computer Science*, 1281:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohori:1997:TSS

- [1912] A. Ohori. Type system for specializing polymorphism. *Lecture Notes in Computer Science*, 1281:107–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Coppo:1997:ST

- [1913] M. Coppo, F. Damiani, and P. Gianini. On strictness and totality. *Lecture Notes in Computer Science*, 1281:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lawall:1997:SSP

- [1914] J. L. Lawall and P. Thiemann. Sound specialization in the presence of com-

putational effects. *Lecture Notes in Computer Science*, 1281:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kinoshita:1997:AAB

- [1915] Y. Kinoshita, P. W. O’Hearn, A. J. Power, and M. Takeyama. An axiomatic approach to binary logical relations with applications to data refinement. *Lecture Notes in Computer Science*, 1281:191–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonsangue:1997:IDL

- [1916] M. M. Bonsangue and J. N. Kok. Infinitary domain logic for finitary transition systems. *Lecture Notes in Computer Science*, 1281:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Levy:1997:SRJ

- [1917] J.-J. Levy. Some results in the join-calculus. *Lecture Notes in Computer Science*, 1281:233–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rathke:1997:LMC

- [1918] J. Rathke and M. Hennessy. Local model checking for value-passing processes. *Lecture Notes in Computer Science*, 1281:250–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sere:1997:DRR

- [1919] K. Sere and M. Walden. Data refinement of remote procedures. *Lecture Notes in Computer Science*, 1281:267–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Abramsky:1997:TTA

- [1920] S. Abramsky, S. Gay, and R. Nagarajan. A type-theoretic approach to deadlock-freedom of asynchronous systems. *Lecture Notes in Computer Science*, 1281:295–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Talcott:1997:CSM

- [1921] C. L. Talcott. Composable semantic models for actor theories. *Lecture Notes in Computer Science*, 1281:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barbanera:1997:CPP

- [1922] F. Barbanera, S. Berardi, and M. Schivalocchi. “classical” programming with-proofs in lambda0s0y0mPA: An analysis of non-confluence. *Lecture Notes in Computer Science*, 1281:365–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Power:1997:ECS

- [1923] J. Power and H. Thielecke. Environments, continuation semantics and indexed categories. *Lecture Notes in Computer Science*, 1281:391–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruce:1997:COE

- [1924] K. B. Bruce, L. Cardelli, and B. C. Pierce. Comparing object encodings. *Lecture Notes in Computer Science*, 1281:415–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poll:1997:SFW

- [1925] E. Poll. System F with width-subtyping and record updating. *Lecture Notes in Computer Science*, 1281:439–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Birkedal:1997:RIR

- [1926] L. Birkedal and R. Harper. Relational interpretations of recursive types in an operational setting. *Lecture Notes in Computer Science*, 1281:458–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matthews:1997:ELF

- [1927] S. Matthews. Extending a logical framework with a modal connective for validity. *Lecture Notes in Computer Science*, 1281:491–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boutin:1997:URB

- [1928] S. Boutin. Using reflection to build efficient and certified decision procedures. *Lecture Notes in Computer Science*, 1281:515–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Werner:1997:STT

- [1929] B. Werner. Sets in types, types in sets. *Lecture Notes in Computer Science*, 1281:530–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mayr:1997:CPN

- [1930] R. Mayr. Combining Petri nets and PA-Processes. *Lecture Notes in Computer Science*, 1281:547–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamane:1997:SMC

- [1931] S. Yamane and K. Nakamura. Symbolic model-checking method based on approximations and binary decision diagrams for real-time systems. *Lecture Notes in Computer Science*, 1281:562–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gardner:1997:TMH

- [1932] P. Gardner and M. Hasegawa. Types and models for higher-order action calculi. *Lecture Notes in Computer Science*, 1281:583–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huet:1997:FST

- [1933] G. Huet and H. Laulhere. Finite-state transducers as regular Boehm trees. *Lecture Notes in Computer Science*, 1281:604–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abadi:1997:STS

- [1934] M. Abadi. Secrecy by typing in security protocols. *Lecture Notes in Computer Science*, 1281:611–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bjornson:1997:WTU

- [1935] R. Bjornson, N. Carriero, and D. Gelernter. From weaving threads to untangling the Web: A view of coordination from Linda's perspective. *Lecture Notes in Computer Science*, 1282:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kramer:1997:ESC

- [1936] J. Kramer and J. Magee. Exposing the skeleton in the coordination closet. *Lecture Notes in Computer Science*, 1282:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lea:1997:DOS

- [1937] D. Lea. Design for open systems in Java. *Lecture Notes in Computer Science*, 1282:32–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Inverardi:1997:CAC

- [1938] P. Inverardi, A. L. Wolf, and D. Yankelevich. Checking assumptions in component dynamics at the architectural level. *Lecture Notes in Computer Science*, 1282:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bidan:1997:SBS

- [1939] C. Bidan and V. Issarny. Security benefits from software architecture. *Lecture Notes in Computer Science*, 1282:64–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Minsky:1997:RCO

- [1940] N. H. Minsky and V. Ungureanu. Regulated coordination in open distributed systems. *Lecture Notes in Computer Science*, 1282:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Olivier:1997:DDA

- [1941] P. A. Olivier. Debugging distributed applications using a coordination architecture. *Lecture Notes in Computer Science*, 1282:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nunes:1997:CDA

- [1942] I. Nunes, J. L. Fiadeiro, and W. M. Turski. Coordinating durative actions. *Lecture Notes in Computer Science*, 1282:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jagannathan:1997:CPS

- [1943] S. Jagannathan. Communication-passing style for coordination languages. *Lecture Notes in Computer Science*, 1282:131–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeJong:1997:SAL

- [1944] E. De Jong. Software architecture for large control systems: A case study description. *Lecture Notes in Computer Science*, 1282:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stuurman:1997:ESA

- [1945] S. Stuurman and J. Van Katwijk. Evaluation of software architectures for a control system: A case study. *Lecture Notes in Computer Science*, 1282:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holzbacher:1997:MRC

- [1946] A. A. Holzbacher, M. Perin, and M. Suedholt. Modeling railway control systems using graph grammars: A case study. *Lecture Notes in Computer Science*, 1282:172–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gelernter:1997:WLF

- [1947] D. Gelernter and L. Zuck. On what Linda is: Formal description of Linda as a reactive system. *Lecture Notes in Computer Science*, 1282:187–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Busi:1997:TSO

- [1948] N. Busi, R. Gorrieri, and G. Zavattaro. Three semantics of the output operation for generative communication. *Lecture Notes in Computer Science*, 1282:205–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeNicola:1997:CMA

- [1949] R. De Nicola, G. L. Ferrari, and R. Pugliese. Coordinating mobile agents via blackboards and access rights. *Lecture Notes in Computer Science*, 1282:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brogi:1997:MCA

- [1950] A. Brogi and J.-M. Jacquet. Modeling coordination via asynchronous communication. *Lecture Notes in Computer Science*, 1282:238–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Best:1997:POS

- [1951] E. Best, F. S. De Boer, and C. Palamidessi. Partial order and SOS semantics for linear constraint programs. *Lecture Notes in Computer Science*, 1282:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Denti:1997:PCM

- [1952] E. Denti, A. Natali, and A. Omicini. Programmable coordination media. *Lecture Notes in Computer Science*, 1282:274–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

VanDerGoot:1997:STS

- [1953] R. Van Der Goot, J. Schaeffer, and G. V. Wilson. Safer tuple spaces. *Lecture Notes in Computer Science*, 1282:289–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hedman:1997:CAS

- [1954] E. J. Hedman, J. N. Kok, and K. Sere. Coordinating actions systems. *Lecture Notes in Computer Science*, 1282:302–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dingel:1997:AU

- [1955] J. Dingel. Approximating UNITY. *Lecture Notes in Computer Science*, 1282:320–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

McCann:1997:MUC

- [1956] P. J. McCann and G.-C. Roman. Mobile UNITY coordination constructs applied to packet forwarding for mobile hosts. *Lecture Notes in Computer Science*, 1282:338–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Granoë:1997:LLO

- [1957] K. Granoë and J. Paakki. From layer to layer: Object-oriented protocol refinement in kannel. *Lecture Notes in Computer Science*, 1282:355–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amadio:1997:AML

- [1958] R. M. Amadio. An asynchronous model of locality, failure, and process mobility. *Lecture Notes in Computer Science*, 1282:374–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vion-Dury:1997:CCM

- [1959] J.-Y. Vion-Dury, L. Bellissard, and V. Marangozov. A component calculus for modeling the olan configuration language. *Lecture Notes in Computer Science*, 1282:392–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buffo:1997:CMD

- [1960] M. Buffo and D. Buchs. A coordination model for distributed object systems. *Lecture Notes in Computer Science*, 1282:410–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Freisleben:1997:CPP

- [1961] B. Freisleben and T. Kielmann. Coordination patterns for parallel computing. *Lecture Notes in Computer Science*, 1282:414–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kellett:1997:CMC

- [1962] A. Kellett and M. Fisher. Concurrent MetateM as a coordination language. *Lecture Notes in Computer Science*, 1282:418–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Papadopoulos:1997:CBC

- [1963] G. A. Papadopoulos and F. Arbab. Control-based coordination of human and other activities in cooperative information systems. *Lecture Notes in Computer Science*, 1282:422–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rowstron:1997:UAT

- [1964] A. Rowstron. Using asynchronous tuple-space access primitives (BONITA primitives) for process co-ordination. *Lecture Notes in Computer Science*, 1282:426–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tolksdorf:1997:BOO

- [1965] R. Tolksdorf. Berlinda: An object-oriented platform for implementing coordination languages in Java. *Lecture Notes in Computer Science*, 1282:430–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Muller-Olm:1997:MCV

- [1966] M. Müller-Olm. Modular compiler verification. A refinement-algebraic approach advocating stepwise abstraction. *Lecture Notes in Computer Science*, 1283:xii + 250, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Amoura:1997:SIM

- [1967] A. K. Amoura, E. Bampis, C. Kenyon, and Y. Manoussakis. Scheduling independent multiprocessor tasks. *Lecture Notes in Computer Science*, 1284:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arkin:1997:LSW

- [1968] E. M. Arkin and R. Hassin. On local search for weighted k -set packing. *Lecture Notes in Computer Science*, 1284:13–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Azar:1997:LMC

- [1969] Y. Azar and L. Epstein. On-line machine covering. *Lecture Notes in Computer Science*, 1284:23–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Biedl:1997:AES

- [1970] T. C. Biedl and M. Kaufmann. Area-efficient static and incremental graph drawings. *Lecture Notes in Computer Science*, 1284:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bloemer:1997:DBD

- [1971] J. Bloemer. Denesting by bounded degree radicals. *Lecture Notes in Computer Science*, 1284:53–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandes:1997:LTA

- [1972] U. Brandes and D. Wagner. A linear time algorithm for the arc disjoint Menger problem in planar directed graphs. *Lecture Notes in Computer Science*, 1284:64–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brandstaedt:1997:DAT

- [1973] A. Brandstaedt, V. Chepoi, and F. Dragan. Distance approximating trees for chordal and dually chordal graphs. *Lecture Notes in Computer Science*, 1284:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cornuejols:1997:DIP

- [1974] G. Cornuejols, R. Urbaniak, R. Weismantel, and L. Wolsey. Decomposition of integer programs and of generating sets. *Lecture Notes in Computer Science*, 1284:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Czumaj:1997:BDS

- [1975] A. Czumaj and W. B. Strothmann. Bounded degree spanning trees. *Lecture Notes in Computer Science*, 1284:104–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Diks:1997:OAB

- [1976] K. Diks and A. Pelc. Optimal adaptive broadcasting with a bounded fraction of faulty nodes. *Lecture Notes in Computer Science*, 1284:118–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Djidjev:1997:WGS

- [1977] H. N. Djidjev. Weighted graph separators and their applications. *Lecture Notes in Computer Science*, 1284:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fekete:1997:NEA

- [1978] S. P. Fekete and J. Schepers. A new exact algorithm for general orthogonal d -dimensional knapsack problems. *Lecture Notes in Computer Science*, 1284:144–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fischer:1997:DDS

- [1979] M. Fischer, F. Meyer auf der Heide, and W. B. Strothmann. Dynamic data structures for realtime management of large geometric scenes. *Lecture Notes in Computer Science*, 1284:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Foessmeier:1997:SRS

- [1980] U. Foessmeier and M. Kaufmann. Solving rectilinear Steiner tree problems exactly in theory and practice. *Lecture Notes in Computer Science*, 1284:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Frigioni:1997:DSV

- [1981] D. Frigioni and G. F. Italiano. Dynamically switching vertices in planar graphs. *Lecture Notes in Computer Science*, 1284:186–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Garefalakis:1997:NFR

- [1982] T. Garefalakis. A new family of randomized algorithms for list accessing. *Lecture Notes in Computer Science*, 1284:200–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giancarlo:1997:LCT

- [1983] R. Giancarlo and D. Guaiana. On-line construction of two-dimensional suffix trees. *Lecture Notes in Computer Science*, 1284:217–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glazebrook:1997:SMQ

- [1984] K. D. Glazebrook and J. Niño-Mora. Scheduling multiclass queueing networks on parallel servers: approximate and heavy-traffic optimality of Klimov's priority rule. *Lecture Notes in Computer Science*, 1284:232–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grebinski:1997:ORG

- [1985] V. Grebinski and G. Kucherov. Optimal reconstruction of graphs under the additive model. *Lecture Notes in Computer Science*, 1284:246–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Helmberg:1997:FVS

- [1986] C. Helmberg. Fixing variables in semidefinite relaxations. *Lecture Notes in Computer Science*, 1284:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henk:1997:TSK

- [1987] M. Henk and R. Weismantel. Test sets of the knapsack problem and simultaneous Diophantine approximation. *Lecture Notes in Computer Science*, 1284:271–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwama:1997:TDM

- [1988] K. Iwama and E. Miyano. Three-dimensional meshes are less powerful than two-dimensional ones in oblivious routing. *Lecture Notes in Computer Science*, 1284:284–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalyanasundaram:1997:FTR

- [1989] B. Kalyanasundaram and K. Pruhs. Fault-tolerant real-time scheduling. *Lecture Notes in Computer Science*, 1284:296–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kogan:1997:CGP

- [1990] D. Kogan and A. Schuster. Collecting garbage pages in a distributed shared memory with reduced memory and communication overhead. *Lecture Notes in Computer Science*, 1284:308–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Korupolu:1997:QFD

- [1991] M. R. Korupolu and V. Ramachandran. Quasi-fully dynamic algorithms for two-connectivity, cycle equivalence and related problems. *Lecture Notes in Computer Science*, 1284:326–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krznaric:1997:MST

- [1992] D. Krznaric, C. Levcopoulos, and B. J. Nilsson. Minimum spanning trees in d dimensions. *Lecture Notes in Computer Science*, 1284:341–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Larsen:1997:RBS

- [1993] K. S. Larsen, T. Ottmann, and E. Soisalon-Soininen. Relaxed balance for search trees with local rebalancing. *Lecture Notes in Computer Science*, 1284:350–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mueller-Hannemann:1997:IAM

- [1994] M. Mueller-Hannemann and K. Weihe. Improved approximations for minimum cardinality quadrangulations of finite element meshes. *Lecture Notes in Computer Science*, 1284:364–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Naor:1997:DSA

- [1995] S. Naor, A. Orda, and Y. Petruschka. Dynamic storage allocation with known durations. *Lecture Notes in Computer Science*, 1284:378–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nolte:1997:CST

- [1996] A. Nolte and R. Schrader. Coloring in sublinear time. *Lecture Notes in Computer Science*, 1284:388–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rethmann:1997:CAL

- [1997] J. Rethmann and E. Wanke. Competitive analysis of on-line stack-up algorithms. *Lecture Notes in Computer Science*, 1284:402–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schulz:1997:SLB

- [1998] A. S. Schulz and M. Skutella. Scheduling-LPs bear probabilities: randomized approximations for min-sum criteria. *Lecture Notes in Computer Science*, 1284:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Segal:1997:PSA

- [1999] M. Segal. On piercing sets of axis-parallel rectangles and rings. *Lecture Notes in Computer Science*, 1284:430–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sevastianov:1997:SPD

- [2000] S. Sevastianov. Seven problems: so different yet close. *Lecture Notes in Computer Science*, 1284:443–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Snoeyink:1997:LTR

- [2001] J. Snoeyink and M. Van Kreveld. Linear-time reconstruction of Delaunay triangulations with applications. *Lecture Notes in Computer Science*, 1284:459–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Trevisan:1997:ASS

- [2002] L. Trevisan. Approximating satisfiable satisfiability problems. *Lecture Notes in Computer Science*, 1284:472–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vallee:1997:ACS

- [2003] B. Vallee. Algorithms for computing signs of 2 x 2 determinants: Dynamics and average case analysis. *Lecture Notes in Computer Science*, 1284:486–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weihe:1997:RTC

- [2004] K. Weihe and T. Willhalm. Reconstructing the topology of a CAD model — A discrete approach. *Lecture Notes in Computer Science*, 1284:500–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Casti:1997:EPC

- [2005] J. L. Casti. Emergent phenomena and computer worlds. *Lecture Notes in Computer Science*, 1285:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fogel:1997:TEE

- [2006] L. J. Fogel. Top-evolutionary engineering. *Lecture Notes in Computer Science*, 1285:11–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chung:1997:FOU

- [2007] C. Chung and R. G. Reynolds. Function optimization using evolutionary programming with self-adaptive cultural algorithms. *Lecture Notes in Computer Science*, 1285:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pan:1997:AEA

- [2008] Z. Pan and L. Kang. An adaptive evolutionary algorithm for numerical optimization. *Lecture Notes in Computer Science*, 1285:27–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Myung:1997:LBE

- [2009] H. Myung and J.-H. Kim. Lagrangian-based evolutionary programming for constrained optimization. *Lecture Notes in Computer Science*, 1285:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matsushita:1997:SIV

- [2010] S. Matsushita, T. Furuhashi, H. Tsutsui, and Y. Uchikawa. Selection of input variables of fuzzy model using genetic algorithm with quick fuzzy inference. *Lecture Notes in Computer Science*, 1285:45–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1997:ESG

- [2011] C.-Y. Lee and S. K. Han. Entropic sampling in genetic-entropic algorithm. *Lecture Notes in Computer Science*, 1285:54–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:CLS

- [2012] J.-C. Chen. Computational and learning synergies with a coevolving multilevel architecture. *Lecture Notes in Computer Science*, 1285:63–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Raik:1997:ESM

- [2013] S. E. Raik and D. G. Browne. Evolving state and memory in genetic programming. *Lecture Notes in Computer Science*, 1285:73–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nakao:1997:ECI

- [2014] Z. Nakao, M. Takashibu, and Y.-W. Chen. Evolutionary CT image reconstruction by image partitioning. *Lecture Notes in Computer Science*, 1285:81–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stonier:1997:GLI

- [2015] R. Stonier and D. Sturgess. Genetic learning of the irrigation cycle for water flow in cropped soils. *Lecture Notes in Computer Science*, 1285:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Song:1997:OPC

- [2016] W.-K. Song and Z. Bien. Optimization of parameters of color image segmentation using evolutionary programming. *Lecture Notes in Computer Science*, 1285:97–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tsujimura:1997:GAS

- [2017] Y. Tsujimura and M. Gen. Genetic algorithms for solving multiprocessor scheduling problems. *Lecture Notes in Computer Science*, 1285:106–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhao:1997:SCE

- [2018] Q. Zhao. A study on co-evolutionary learning of neural networks. *Lecture Notes in Computer Science*, 1285:116–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yoshikawa:1997:KAF

- [2019] T. Yoshikawa, T. Furuhashi, and Y. Uchikawa. Knowledge acquisition of fuzzy control rules for mobile robots using DNA coding method and pseudo-bacterial GA. *Lecture Notes in Computer Science*, 1285:126–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hwang:1997:ELA

- [2020] M. W. Hwang and J. Y. Choi. Evolutionary learning algorithm for projection neural networks. *Lecture Notes in Computer Science*, 1285:136–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yao:1997:ECT

- [2021] X. Yao and Y. Liu. EPNet for chaotic time-series prediction. *Lecture Notes in Computer Science*, 1285:146–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:WSG

- [2022] S.-H. Chen. Would and should government lie about economic statistics: Simulations based on evolutionary cellular automata. *Lecture Notes in Computer Science*, 1285:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wong:1997:TIC

- [2023] K. P. Wong and A. Li. A technique for improving the convergence characteristic of genetic algorithms and its application to a genetic-based load flow algorithm. *Lecture Notes in Computer Science*, 1285:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Makita:1997:KEU

- [2024] Y. Makita and M. Hagiwara. Knowledge extraction using neural network by an artificial life approach. *Lecture Notes in Computer Science*, 1285:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Takeuchi:1997:IMU

- [2025] I. Takeuchi and T. Furuhashi. An inference method using multiple patterns and modification of pattern space. *Lecture Notes in Computer Science*, 1285:187–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kil:1997:RSB

- [2026] R. M. Kil and Y. Song. Random search based on genetic operators. *Lecture Notes in Computer Science*, 1285:196–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cho:1997:HEL

- [2027] S.-B. Cho and S.-I. Lee. Hybrid evolutionary learning of fuzzy logic and genetic algorithm. *Lecture Notes in Computer Science*, 1285:206–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1997:FIU

- [2028] J.-H. Lee and L. K. Hyung. Fuzzy identification of unknown systems based on GA. *Lecture Notes in Computer Science*, 1285:216–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nerome:1997:CCE

- [2029] M. Nerome, K. Yamada, S. Endo, and H. Miyagi. Competitive co-evolution model on the acquisition of game strategy. *Lecture Notes in Computer Science*, 1285:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Glaser:1997:CME

- [2030] N. Glaser. The CoMoMAS methodology and environment for multi-agent system development. *Lecture Notes in Computer Science*, 1286:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kendall:1997:DPD

- [2031] E. A. Kendall and M. T. Malkoun. Design patterns for the development of multi-agent systems. *Lecture Notes in Computer Science*, 1286:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lukose:1997:MEM

- [2032] D. Lukose. Modelling extendible mobile agents. *Lecture Notes in Computer Science*, 1286:32–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DInverno:1997:MBE

- [2033] M. D’Inverno and M. Luck. Making and breaking engagements: An operational analysis of agent relationships. *Lecture Notes in Computer Science*, 1286:48–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Decker:1997:CIA

- [2034] K. Decker, K. Sycara, and M. Williamson. Cloning for intelligent adaptive information agents. *Lecture Notes in Computer Science*, 1286:63–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jamison:1997:AAB

- [2035] W. C. Jamison. ACACIA: An agency based collaboration framework for heterogeneous multi-agent systems. *Lecture Notes in Computer Science*, 1286:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

He:1997:MAC

- [2036] L. He, Y. Chao, S. Kato, and T. Araki. A multi-agent cooperative reasoning system for amalgamated knowledge bases. *Lecture Notes in Computer Science*, 1286:92–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ekenberg:1997:DCM

- [2037] L. Ekenberg. Detecting conflicts in multi-agent systems. *Lecture Notes in Computer Science*, 1286:106–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reed:1997:PFI

- [2038] C. Reed, D. Long, M. Fox, and M. Garagnani. Persuasion as a form of inter-agent negotiation. *Lecture Notes in Computer Science*, 1286:120–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhang:1997:MSS

- [2039] M. Zhang and C. Zhang. Methodologies of solution synthesis in distributed expert systems. *Lecture Notes in Computer Science*, 1286:137–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

He:1997:IAR

- [2040] L. He, Y. Chao, S. Kato, and T. Araki. Implementing an automated reasoning system for multi-agent knowledge and time. *Lecture Notes in Computer Science*, 1286:152–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:AMI

- [2041] H. Yang and C. Zhang. Application of MAS in implementing rational IP routers on the priced Internet. *Lecture Notes in Computer Science*, 1286:166–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Haegg:1997:SAF

- [2042] S. Haegg. A sentinel approach to fault handling in multi-agent systems. *Lecture Notes in Computer Science*, 1286:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kropf:1997:FHV

- [2043] T. Kropf. Formal hardware verification: Methods and systems in comparison. *Lecture Notes in Computer Science*, 1287:xii + 367, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schneider:1997:SDT

- [2044] M. Schneider. Spatial data types for database systems. finite resolution geometry for geographic information systems. *Lecture Notes in Computer Science*, 1288:xiii + 275, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bachmair:1997:PSS

- [2045] L. Bachmair. Paramodulation, superposition, and simplification. *Lecture Notes in Computer Science*, 1289:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buchholz:1997:EGC

- [2046] W. Buchholz. Explaining Gentzen’s consistency proof within infinitary proof theory. *Lecture Notes in Computer Science*, 1289:4–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buss:1997:AAT

- [2047] S. R. Buss. Alogtime algorithms for tree isomorphism, comparison, and canonization. *Lecture Notes in Computer Science*, 1289:18–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carnielli:1997:ULG

- [2048] W. A. Carnielli and P. R. S. Veloso. Ultrafilter logic and generic reasoning. *Lecture Notes in Computer Science*, 1289:34–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Robinson:1997:IRM

- [2049] J. A. Robinson. Informal rigor and mathematical understanding. *Lecture Notes in Computer Science*, 1289:54–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tammet:1997:RIM

- [2050] T. Tammet. Resolution, inverse method and the sequent calculus. *Lec-*

ture Notes in Computer Science, 1289:65–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tiuryn:1997:SL

- [2051] J. Tiuryn. Subtyping over a lattice. *Lecture Notes in Computer Science*, 1289:84–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basin:1997:NMB

- [2052] D. Basin, S. Matthews, and L. Vigano. A new method for bounding the complexity of modal logics. *Lecture Notes in Computer Science*, 1289:89–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Beklemishev:1997:PFI

- [2053] L. D. Beklemishev. Parameter free induction and reflection. *Lecture Notes in Computer Science*, 1289:103–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Borchert:1997:LAR

- [2054] B. Borchert and F. Stephan. Looking for an analogue of Rice’s theorem in circuit complexity theory. *Lecture Notes in Computer Science*, 1289:114–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ciabattoni:1997:TCB

- [2055] A. Ciabattoni and D. Luchi. Two connections between linear logic and Lukasiewicz logics. *Lecture Notes in Computer Science*, 1289:128–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Egly:1997:SCG

- [2056] U. Egly and K. Genter. Structuring of computer-generated proofs by cut introduction. *Lecture Notes in Computer Science*, 1289:140–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gilmore:1997:NSA

- [2057] P. C. Gilmore. NaDSyl and some applications. *Lecture Notes in Computer Science*, 1289:153–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khakhanian:1997:MRA

- [2058] V. K. Khakhanian. Markov’s rule is admissible in the set theory with intuitionistic logic. *Lecture Notes in Computer Science*, 1289:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lisitsa:1997:BHT

- [2059] A. Lisitsa and V. Sazonov. Bounded hyperset theory and Web-like data bases. *Lecture Notes in Computer Science*, 1289:172–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Makowsky:1997:ID

- [2060] J. A. Makowsky. Invariant definability. *Lecture Notes in Computer Science*, 1289:186–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Matzinger:1997:CCR

- [2061] R. Matzinger. Comparing computational representations of Herbrand models. *Lecture Notes in Computer Science*, 1289:203–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pape:1997:RTS

- [2062] C. Pape and R. Haehnle. Restart tableaux with selection function. *Lecture Notes in Computer Science*, 1289:219–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plisko:1997:TSL

- [2063] V. Plisko. Two semantics and logics based on the goedel interpretation. *Lecture Notes in Computer Science*, 1289:233–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pluskevicius:1997:CDR

- [2064] R. Pluskevicius. On the completeness and decidability of a restricted first order linear temporal logic. *Lecture Notes in Computer Science*, 1289:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Polacik:1997:PQI

- [2065] T. Polacik. Propositional quantification in intuitionistic logic. *Lecture Notes in Computer Science*, 1289:255–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Preining:1997:SP

- [2066] N. Preining. Sketch-as-proof. *Lecture Notes in Computer Science*, 1289:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Setzer:1997:TST

- [2067] A. Setzer. Translating set theoretical proofs into type theoretical programs. *Lecture Notes in Computer Science*, 1289:278–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

TortoraDeFalco:1997:DSP

- [2068] L. Tortora De Falco. Denotational semantics for polarized (but non-constrained) LK by means of the additives. *Lecture Notes in Computer Science*, 1289:290–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Veanes:1997:USR

- [2069] M. Veanes. The undecidability of simultaneous rigid E-unification with two variables. *Lecture Notes in Computer Science*, 1289:305–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Willard:1997:TRP

- [2070] D. E. Willard. The tangibility reflection principle for self-verifying axiom systems. *Lecture Notes in Computer Science*, 1289:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xi:1997:UBS

- [2071] H. Xi. Upper bounds for standardizations and an application. *Lecture Notes in Computer Science*, 1289:335–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Baez:1997:IC

- [2072] J. C. Baez. An introduction to n -categories. *Lecture Notes in Computer Science*, 1290:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bird:1997:ABA

- [2073] R. S. Bird. Allegories as a basis for algorithmics. *Lecture Notes in Computer Science*, 1290:34–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jay:1997:SSD

- [2074] C. B. Jay. Separating shape from data. *Lecture Notes in Computer Science*, 1290:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mellies:1997:FTR

- [2075] P.-A. Mellies. A factorisation theorem in rewriting theory. *Lecture Notes in Computer Science*, 1290:49–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lueth:1997:MMT

- [2076] C. Lueth and N. Ghani. Monads and modular term rewriting. *Lecture Notes in Computer Science*, 1290:69–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Corradini:1997:CPT

- [2077] A. Corradini and F. Gadducci. A 2-categorical presentation of term graph rewriting. *Lecture Notes in Computer Science*, 1290:87–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cattani:1997:PMCb

- [2078] G. L. Cattani, I. Stark, and G. Winskel. Presheaf models for the π -calculus. *Lecture Notes in Computer Science*, 1290:106–126, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Turi:1997:CMS

- [2079] D. Turi. Categorical modelling of structural operational rules: Case studies. *Lecture Notes in Computer Science*, 1290:127–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pavlovic:1997:SIC

- [2080] D. Pavlovic and S. Abramsky. Specifying interaction categories. *Lecture Notes in Computer Science*, 1290:147–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wolter:1997:SNL

- [2081] U. Wolter and A. Martini. Shedding new light in the world of logical systems. *Lecture Notes in Computer Science*, 1290:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mossakowski:1997:CRL

- [2082] T. Mossakowski, A. Tarlecki, and W. Pawlowski. Combining and representing logical systems. *Lecture Notes in Computer Science*, 1290:177–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Andreev:1997:DAL

- [2083] A. Andreev and S. Soloviev. A deciding algorithm for linear isomorphism of types with complexity $O(n \log_2(n))$. *Lecture Notes in Computer Science*, 1290:197–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weihrauch:1997:EGM

- [2084] K. Weihrauch and X. Zheng. Effectiveness of the global modulus of continuity on metric spaces. *Lecture Notes in Computer Science*, 1290:210–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hensel:1997:PPD

- [2085] U. Hensel and B. Jacobs. Proof principles for datatypes with iterated recursion. *Lecture Notes in Computer Science*, 1290:220–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoogendijk:1997:WDD

- [2086] P. Hoogendijk and R. Backhouse. When do datatypes commute? *Lecture Notes in Computer Science*, 1290:242–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lellahi:1997:CCA

- [2087] K. Lellahi and V. Tannen. A calculus for collections and aggregates. *Lecture Notes in Computer Science*, 1290:261–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bucalo:1997:L

- [2088] A. Bucalo and G. Rosolini. Lifting. *Lecture Notes in Computer Science*, 1290:281–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reus:1997:GSD

- [2089] B. Reus and T. Streicher. General synthetic domain theory — A logical approach. *Lecture Notes in Computer Science*, 1290:293–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feitelson:1997:TPP

- [2090] D. G. Feitelson, L. Rudolph, U. Schwiegelshohn, and K. C. Sevcik. Theory and practice in parallel job scheduling. *Lecture Notes in Computer Science*, 1291:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Downey:1997:UQT

- [2091] A. B. Downey. Using queue time predictions for processor allocation. *Lecture Notes in Computer Science*, 1291:35–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gibbons:1997:HAP

- [2092] R. Gibbons. A historical application profiler for use by parallel sched-

ulers. *Lecture Notes in Computer Science*, 1291:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feitelson:1997:MUL

[2093] D. G. Feitelson. Memory usage in the LANL CM-5 workload. *Lecture Notes in Computer Science*, 1291:78–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jann:1997:MWM

[2094] J. Jann, P. Pattnaik, H. Franke, and F. Wang. Modeling of workload in MPPs. *Lecture Notes in Computer Science*, 1291:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lagerstrom:1997:PPS

[2095] R. N. Lagerstrom and S. K. Gipp. PSched: Political scheduling on the CRAY T3E. *Lecture Notes in Computer Science*, 1291:117–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Brecht:1997:EEP

[2096] T. B. Brecht. An experimental evaluation of processor pool-based scheduling for shared-memory NUMA multiprocessors. *Lecture Notes in Computer Science*, 1291:139–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Parsons:1997:IMS

[2097] E. W. Parsons and K. C. Sevcik. Implementing multiprocessor scheduling disciplines. *Lecture Notes in Computer Science*, 1291:166–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanh:1997:OOA

[2098] Pham Hong Hanh and V. Simonenko. Objective-oriented algorithm for job scheduling in parallel heterogeneous systems. *Lecture Notes in Computer Science*, 1291:193–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lee:1997:IGS

[2099] W. Lee, M. Frank, V. Lee, and K. Mackenzie. Implications of I/O for gang scheduled workloads. *Lecture Notes in Computer Science*, 1291:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feitelson:1997:IUR

[2100] D. G. Feitelson and M. A. Jette. Improved utilization and responsiveness with gang scheduling. *Lecture Notes in Computer Science*, 1291:238–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hori:1997:GSD

[2101] A. Hori, H. Tezuka, and Y. Ishikawa. Global state detection using network preemption. *Lecture Notes in Computer Science*, 1291:262–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:PEG

[2102] F. Wang, M. Papaefthymiou, and M. Squillante. Performance evaluation of gang scheduling for parallel and distributed multiprogramming. *Lecture*

Notes in Computer Science, 1291:277–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoy:1997:NNS

- [2103] S. Antoy and Z. M. Ariola. Narrowing the narrowing space. *Lecture Notes in Computer Science*, 1292:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Compagnoni:1997:OCA

- [2104] A. Compagnoni and M. Fernandez. An object calculus with algebraic rewriting. *Lecture Notes in Computer Science*, 1292:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gallardo:1997:ISM

- [2105] J. E. Gallardo, F. Gutierrez, and B. C. Ruiz. Inheritance and selective method dispatching in concurrent haskell. *Lecture Notes in Computer Science*, 1292:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ancona:1997:OOM

- [2106] D. Ancona and E. Zucca. Overriding operators in a mixin-based framework. *Lecture Notes in Computer Science*, 1292:47–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bowers:1997:RLP

- [2107] A. F. Bowers, P. M. Hill, and F. Ibañez. Resolution for logic programming with universal quantifiers. *Lecture Notes in Computer Science*, 1292:63–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gregory:1997:DAC

- [2108] S. Gregory. A declarative approach to concurrent programming. *Lecture Notes in Computer Science*, 1292:79–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herrmann:1997:TDC

- [2109] C. A. Herrmann and C. Lengauer. Transformation of divide and conquer to nested parallel loops. *Lecture Notes in Computer Science*, 1292:95–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paterson:1997:TLF

- [2110] R. Paterson. Transforming lazy functions using compartment properties. *Lecture Notes in Computer Science*, 1292:111–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lucas:1997:TEE

- [2111] S. Lucas. Transformations for efficient evaluations in functional programming. *Lecture Notes in Computer Science*, 1292:127–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Serrano:1997:IEW

- [2112] M. Serrano. Inline expansion: When and how? *Lecture Notes in Computer Science*, 1292:143–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mossin:1997:HOV

- [2113] C. Mossin. Higher-order value flow graphs. *Lecture Notes in Computer Science*, 1292:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giacobazzi:1997:IIA

- [2114] R. Giacobazzi and F. Scozzari. Intuitionistic implication in abstract interpretation. *Lecture Notes in Computer Science*, 1292:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carlsson:1997:OEF

- [2115] M. Carlsson, G. Ottosson, and B. Carlsson. An open-ended finite domain constraint solver. *Lecture Notes in Computer Science*, 1292:191–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Giavitto:1997:SCR

- [2116] J.-L. Giavitto, D. De Vito, and O. Michel. Semantics and compilation of recursive sequential streams in 81/2. *Lecture Notes in Computer Science*, 1292:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ogata:1997:ITR

- [2117] K. Ogata and K. Futatsugi. Implementation of term rewritings with the evaluation strategy. *Lecture Notes in Computer Science*, 1292:225–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barthe:1997:RR

- [2118] G. Barthe, J. Hatcliff, and M. H. Soerensen. Reflections on reflections. *Lecture Notes in Computer Science*, 1292:241–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Xi:1997:EUL

- [2119] H. Xi. Evaluation under lambda abstraction. *Lecture Notes in Computer Science*, 1292:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Huang:1997:SRH

- [2120] Z. Huang, C. Sun, and A. Sattar. Selective recomputation for handling side-effects in parallel logic programs. *Lecture Notes in Computer Science*, 1292:275–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sparud:1997:TLF

- [2121] J. Sparud and C. Runciman. Tracing lazy functional computations using redex trails. *Lecture Notes in Computer Science*, 1292:291–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cousineau:1997:FPG

- [2122] G. Cousineau. Functional programming and geometry. *Lecture Notes in Computer Science*, 1292:309–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Thompson:1997:WDB

- [2123] S. Thompson. Where do I begin? A problem solving approach in teach-

ing functional programming. *Lecture Notes in Computer Science*, 1292:323–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hanus:1997:TFL

- [2124] M. Hanus. Teaching functional and logic programming with a single computation model. *Lecture Notes in Computer Science*, 1292:335–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Eisinger:1997:LIF

- [2125] N. Eisinger, T. Geisler, and S. Panne. Logic implemented functionally. *Lecture Notes in Computer Science*, 1292:351–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Findler:1997:DPP

- [2126] R. B. Findler, C. Flanagan, M. Flatt, and S. Krishnamurthi. DrScheme: A pedagogic programming environment for scheme. *Lecture Notes in Computer Science*, 1292:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Whittle:1997:EHN

- [2127] J. Whittle, A. Bundy, and H. Lowe. An editor for helping novices to learn standard ML. *Lecture Notes in Computer Science*, 1292:389–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRoure:1997:IDD

- [2128] D. DeRoure. Introducing the declarative dungeon. *Lecture Notes in Computer Science*, 1292:407–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Johansson:1997:PAC

- [2129] E. Johansson, C. Jonsson, T. Lindgren, and J. Beveymyr. A pragmatic approach to compilation of erlang. *Lecture Notes in Computer Science*, 1292:419–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Janousek:1997:FTD

- [2130] J. Janousek and B. Melichar. Formal translations described by translation grammars with LR(kappa) input grammars. *Lecture Notes in Computer Science*, 1292:421–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fujinami:1997:ART

- [2131] N. Fujinami. Automatic run-time code generation in object-oriented languages. *Lecture Notes in Computer Science*, 1292:423–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Munson:1997:TOT

- [2132] E. V. Munson. Toward an operational theory of media. *Lecture Notes in Computer Science*, 1293:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sandkuhl:1997:FSC

- [2133] K. Sandkuhl. First steps to cross media publishing and multimodal documents. *Lecture Notes in Computer Science*, 1293:15–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ahonen:1997:DSC

- [2134] H. Ahonen. Disambiguation of SGML content models. *Lecture Notes in Computer Science*, 1293:27–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kilpelainen:1997:SE

- [2135] P. Kilpeläinen and D. Wood. SGML and exceptions. *Lecture Notes in Computer Science*, 1293:39–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schroff:1997:GCS

- [2136] T. Schroff and A. Brüggemann-Klein. Grammar-compatible stylesheets. *Lecture Notes in Computer Science*, 1293:51–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heather:1997:OAM

- [2137] M. A. Heather and B. N. Rossiter. Object awareness in multimedia documents. *Lecture Notes in Computer Science*, 1293:59–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

King:1997:LBF

- [2138] P. R. King. A logic based formalism for temporal constraints in multimedia documents. *Lecture Notes in Computer Science*, 1293:87–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Myka:1997:TAH

- [2139] A. Myka, H. Argenton, and U. Guentzer. Towards automatic hypertextual representation of linear texts. *Lecture Notes*

in Computer Science, 1293:103–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kosmynin:1997:UBC

- [2140] A. Kosmynin and I. Davidson. Using background contextual knowledge for documents representation. *Lecture Notes in Computer Science*, 1293:123–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dharap:1997:TSD

- [2141] C. Dharap and C. Mic Bowman. Typed structured documents for information retrieval. *Lecture Notes in Computer Science*, 1293:135–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Murata:1997:TDS

- [2142] M. Murata. Transformation of documents and schemas by patterns and contextual conditions. *Lecture Notes in Computer Science*, 1293:153–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wang:1997:TFP

- [2143] X. Wang and D. Wood. Tabular formatting problems. *Lecture Notes in Computer Science*, 1293:171–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Minas:1997:VDV

- [2144] M. Minas and L. Shklar. Visual definition of virtual documents for the World-Wide-Web. *Lecture Notes in Computer Science*, 1293:183–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldmann:1997:CCH

- [2145] Mikael Goldmann and Mats Näslund. The complexity of computing hard core predicates. *Lecture Notes in Computer Science*, 1294:1–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940001.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940001.pdf>.

Fujisaki:1997:SZK

- [2146] Eiichiro Fujisaki and Tatsuaki Okamoto. Statistical zero knowledge protocols to prove modular polynomial relations. *Lecture Notes in Computer Science*, 1294:16–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940016.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940016.pdf>.

Crescenzo:1997:KSV

- [2147] Giovanni Di Crescenzo, Tatsuaki Okamoto, and Moti Yung. Keeping the SZK-verifier honest unconditionally. *Lecture Notes in Computer Science*, 1294:31–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940031.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940031.pdf>.

DiCrescenzo:1997:KSV

- [2148] G. Di Crescenzo, T. Okamoto, and M. Yung. Keeping the SZK-Verifier honest unconditionally. *Lecture Notes in Computer Science*, 1294:31–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goldreich:1997:FMC

- [2149] Oded Goldreich. On the foundations of modern cryptography. *Lecture Notes in Computer Science*, 1294:46–74, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940046.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940046.pdf>.

Beaver:1997:PPE

- [2150] Donald Beaver. Plug and play encryption. *Lecture Notes in Computer Science*, 1294:75–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940075.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940075.pdf>.

Canetti:1997:DE

- [2151] Ran Canetti, Cynthia Dwork, Moni Naor, and Rafail Ostrovsky. Deniable encryption. *Lecture Notes in Computer Science*, 1294:90–104, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <ftp://theory.lcs.mit.edu/pub/tcrypto1/96-02r.ps>; <http://>

/link.springer-ny.com/link/service/series/0558/bibs/1294/12940090.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940090.pdf>.

Goldreich:1997:EDE

- [2152] Oded Goldreich, Shafi Goldwasser, and Shai Halevi. Eliminating decryption errors in the Ajtai-Dwork cryptosystem. *Lecture Notes in Computer Science*, 1294:105–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940105.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940105.pdf>.

Goldreich:1997:PKC

- [2153] Oded Goldreich, Shafi Goldwasser, and Shai Halevi. Public-key cryptosystems from lattice reduction problems. *Lecture Notes in Computer Science*, 1294:112–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940112.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940112.pdf>.

Gennaro:1997:RBU

- [2154] Rosario Gennaro, Hugo Krawczyk, and Tal Rabin. RSA-based undeniable signatures. *Lecture Notes in Computer Science*, 1294:132–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940132.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940132.pdf>.

ny.com/link/service/series/0558/bibs/1294/12940132.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940132.pdf>.

Juels:1997:SBD

- [2155] Ari Juels, Michael Luby, and Rafail Ostrovsky. Security of blind digital signatures. *Lecture Notes in Computer Science*, 1294:150–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940150.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940150.pdf>.

Zheng:1997:DSH

- [2156] Yuliang Zheng. Digital signcryption or how to achieve cost (signature & encryption) \ll cost(signature) + cost(encryption). *Lecture Notes in Computer Science*, 1294:165–179, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940165.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940165.pdf>.

Gennaro:1997:HSD

- [2157] Rosario Gennaro and Pankaj Rohatgi. How to sign digital streams. *Lecture Notes in Computer Science*, 1294:180–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940180.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940180.pdf>.

bibs/1294/12940180.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940180.pdf>.

Nguyen:1997:MHR

- [2158] Phong Nguyen and Jacques Stern. Merkle–Hellman revisited: A cryptanalysis of the Qu–Vanstone cryptosystem based on group factorizations. *Lecture Notes in Computer Science*, 1294:198–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940198.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940198.pdf>.

Berson:1997:FMP

- [2159] Thomas A. Berson. Failure of the McEliece public-key cryptosystem under message-resend and related-message attack. *Lecture Notes in Computer Science*, 1294:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940213.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940213.pdf>.

Misarsky:1997:MAU

- [2160] Jean-François Misarsky. A multiplicative attack using LLL algorithm on RSA signatures with redundancy. *Lecture Notes in Computer Science*, 1294:221–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940221.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940221.pdf>.

ny.com/link/service/series/0558/bibs/1294/12940221.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940221.pdf>.

Bleichenbacher:1997:SKP

- [2161] Daniel Bleichenbacher. On the security of the KMOV public key cryptosystem. *Lecture Notes in Computer Science*, 1294:235–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940235.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940235.pdf>.

Lim:1997:KRA

- [2162] Chae Hoon Lim and Pil Joong Lee. A key recovery attack on discrete log-based schemes using a prime order subgroup. *Lecture Notes in Computer Science*, 1294:249–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940249.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940249.pdf>.

Young:1997:PKA

- [2163] Adam Young and Moti Yung. The prevalence of kleptographic attacks on discrete-log based cryptosystems. *Lecture Notes in Computer Science*, 1294:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940264.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940264.pdf>.

bibs/1294/12940264.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940264.pdf>.

Bellare:1997:PRN

- [2164] Mihir Bellare, Shafi Goldwasser, and Daniele Micciancio. “pseudo-random” number generation within cryptographic algorithms: The DSS case. *Lecture Notes in Computer Science*, 1294: 277–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940277.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940277.pdf>.

Cachin:1997:USA

- [2165] Christian Cachin and Ueli M. Maurer. Unconditional security against memory-bounded adversaries. *Lecture Notes in Computer Science*, 1294:292–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940292.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940292.pdf>.

Maurer:1997:PAS

- [2166] Ueli M. Maurer and Stefan Wolf. Privacy amplification secure against active adversaries. *Lecture Notes in Computer Science*, 1294:307–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940342.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940342.pdf>.

bibs/1294/12940307.htm; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940307.pdf>.

Naor:1997:VAI

- [2167] Moni Naor and Benny Pinkas. Visual authentication and identification. *Lecture Notes in Computer Science*, 1294: 322–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940322.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940322.pdf>.

Brassard:1997:QIP

- [2168] Gilles Brassard. Quantum information processing: The good, the bad and the ugly. *Lecture Notes in Computer Science*, 1294:337–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940337.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940337.pdf>.

Guajardo:1997:EAE

- [2169] Jorge Guajardo and Christof Paar. Efficient algorithms for elliptic curve cryptosystems. *Lecture Notes in Computer Science*, 1294:342–??, 1997. CODEN LNCS9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940342.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940342.pdf>.

com/link/service/series/0558/papers/1294/12940342.pdf.

Dolev:1997:EAM

- [2170] Jerome A. Solinas. An improved algorithm for arithmetic on a family of elliptic curves. *Lecture Notes in Computer Science*, 1294:357–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940357.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940357.pdf>.
- [2171] Tsuyoshi Takagi. Fast RSA-type cryptosystems using n -adic expansion. *Lecture Notes in Computer Science*, 1294:372–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940372.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940372.pdf>.
- [2172] Johannes A. Buchmann and Sachar Paulus. A one way function based on ideal arithmetic in number fields. *Lecture Notes in Computer Science*, 1294:385–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940385.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940385.pdf>.
- [2173] Shlomi Dolev and Rafail Ostrovsky. Efficient anonymous multicast and reception. *Lecture Notes in Computer Science*, 1294:395–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940395.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940395.pdf>.
- [2174] Jan L. Camenisch and Markus A. Stadler. Efficient group signature schemes for large groups. *Lecture Notes in Computer Science*, 1294:410–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940410.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940410.pdf>.
- [2175] Dan Boneh and Matthew Franklin. Efficient generation of shared RSA keys. *Lecture Notes in Computer Science*, 1294:425–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940425.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940425.pdf>.

Solinas:1997:IAA

Takagi:1997:FRT

Buchmann:1997:OWF

Camenisch:1997:EGS

Boneh:1997:EGS

Frankel:1997:PR

- [2176] Yair Frankel, Peter Gemmell, Philip D. MacKenzie, and Moti Yung. Proactive RSA. *Lecture Notes in Computer Science*, 1294:440–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940440.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940440.pdf>.

Canetti:1997:TRR

- [2177] Ran Canetti. Towards realizing random oracles: Hash functions that hide all partial information. *Lecture Notes in Computer Science*, 1294:455–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940455.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940455.pdf>.

Bellare:1997:CRH

- [2178] Mihir Bellare and Phillip Rogaway. Collision-resistant hashing: Towards making UOWHFs practical. *Lecture Notes in Computer Science*, 1294:470–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940470.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940470.pdf>.

Knudsen:1997:FSH

- [2179] Lars Ramkilde Knudsen and Bart Preneel. Fast and secure hashing based on codes. *Lecture Notes in Computer Science*, 1294:485–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940485.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940485.pdf>.

Golic:1997:EDC

- [2180] Jovan Dj. Golic and Renato Menicocci. Edit distance correlation attack on the alternating step generator. *Lecture Notes in Computer Science*, 1294:499–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940499.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940499.pdf>.

Biham:1997:DFA

- [2181] Eli Biham and Adi Shamir. Differential fault analysis of secret key cryptosystems. *Lecture Notes in Computer Science*, 1294:513–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940513.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940513.pdf>.

Wagner:1997:CCM

- [2182] David Wagner, Bruce Schneier, and John Kelsey. Cryptanalysis of the Cellular Message Encryption Algorithm. *Lecture Notes in Computer Science*, 1294:526–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/bibs/1294/12940526.htm>; <http://link.springer-ny.com/link/service/series/0558/papers/1294/12940526.pdf>; <http://www.counterpane.com/cmea-abstract.html>.

Anonymous:1997:AIC

- [2183] Anonymous. Author index. *Lecture Notes in Computer Science*, 1294:539–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic). URL <http://link.springer-ny.com/link/service/series/0558/papers/1294/1294indx.pdf>.

Abramsky:1997:GSP

- [2184] S. Abramsky. Game semantics for programming languages. *Lecture Notes in Computer Science*, 1295:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Babai:1997:CC

- [2185] L. Babai. Communication complexity. *Lecture Notes in Computer Science*, 1295:5–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bodlaender:1997:TAT

- [2186] H. L. Bodlaender. Treewidth: Algorithmic techniques and results. *Lecture*

Notes in Computer Science, 1295:19–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dershowitz:1997:WTR

- [2187] N. Dershowitz. When are two rewrite systems more than none? *Lecture Notes in Computer Science*, 1295:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dwork:1997:PAL

- [2188] C. Dwork. Positive applications of lattices to cryptography. *Lecture Notes in Computer Science*, 1295:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ferrari:1997:TBC

- [2189] G. L. Ferrari and U. Montanari. A tile-based coordination view of asynchronous pi-calculus. *Lecture Notes in Computer Science*, 1295:52–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hromkovic:1997:CCS

- [2190] J. Hromkovic and G. Schnitger. Communication complexity and sequential computation. *Lecture Notes in Computer Science*, 1295:71–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krajicek:1997:LBP

- [2191] J. Krajicek. Lower bounds for a proof system with an exponential speed-up over constant-depth Frege systems and over polynomial calculus. *Lecture Notes in Computer Science*, 1295:85–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Liskiewicz:1997:CLS

- [2192] M. Liskiewicz and R. Reischuk. Computational limitations of stochastic Turing machines and Arthur–Merlin games with small space bounds. *Lecture Notes in Computer Science*, 1295:91–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Roth:1997:LPK

- [2193] D. Roth. Learning to perform knowledge-intensive inferences. *Lecture Notes in Computer Science*, 1295:108–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schoening:1997:RPE

- [2194] U. Schoening. Resolution proofs, exponential bounds, and Kolmogorov complexity. *Lecture Notes in Computer Science*, 1295:110–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Afrati:1997:EDC

- [2195] F. Afrati, L. Guessarian, and M. De Rougemont. The expressiveness of datalog circuits (DAC). *Lecture Notes in Computer Science*, 1295:119–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mundhenk:1997:CPE

- [2196] M. Mundhenk, J. Goldsmith, and E. Allender. The complexity of policy evaluation for finite-horizon partially-observable Markov decision processes. *Lecture Notes in Computer Science*,

1295:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bernardinello:1997:CTS

- [2197] L. Bernardinello and L. Pomello. A category of transition systems and its relations with orthomodular posets. *Lecture Notes in Computer Science*, 1295:139–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Berard:1997:AZW

- [2198] B. Bérard and C. Picaronny. Accepting Zeno words without making time stand still. *Lecture Notes in Computer Science*, 1295:149–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bollig:1997:CTR

- [2199] B. Bollig and I. Wegener. Complexity theoretical results on partitioned (nondeterministic) binary decision diagrams. *Lecture Notes in Computer Science*, 1295:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bonsangue:1997:SCU

- [2200] M. M. Bonsangue and J. N. Kok. Specifying computations using hyper transition systems. *Lecture Notes in Computer Science*, 1295:169–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cattaneo:1997:SIM

- [2201] G. Cattaneo, E. Formenti, L. Margara, and J. Mazoyer. A shift-invariant metric on SOZ inducing a non-trivial topology. *Lecture Notes in Computer*

Science, 1295:179–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chen:1997:SCC

- [2202] G. Chen. Subtyping calculus of construction. *Lecture Notes in Computer Science*, 1295:189–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Choffrut:1997:DBL

- [2203] C. Choffrut and G. Pighizzini. Distances between languages and reflexivity of relations. *Lecture Notes in Computer Science*, 1295:199–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ryl:1997:PCS

- [2204] I. Ryl, Y. Roos, and M. Clerbout. Partial characterization of synchronization languages. *Lecture Notes in Computer Science*, 1295:209–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heckel:1997:IST

- [2205] R. Heckel, H. Ehrig, U. Wolter, and A. Corradini. Integrating the specification techniques of graph transformation and temporal logic. *Lecture Notes in Computer Science*, 1295:219–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Drewes:1997:GTH

- [2206] F. Drewes. On the generation of trees by hyperedge replacement. *Lecture Notes in Computer Science*, 1295:229–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Fernau:1997:RV

- [2207] H. Fernau and R. Stiebe. Regulation by valences. *Lecture Notes in Computer Science*, 1295:239–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fokkink:1997:SCT

- [2208] W. Fokkink and J. Van de Pol. Simulation as a correct transformation of rewrite systems. *Lecture Notes in Computer Science*, 1295:249–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gavoilie:1997:DIR

- [2209] C. Gavoilie. On the dilation of interval routing. *Lecture Notes in Computer Science*, 1295:259–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khasidashvili:1997:RCF

- [2210] Z. Khasidashvili and J. Glauert. Relating conflict-free stable transition and event models. *Lecture Notes in Computer Science*, 1295:269–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Goerdts:1997:GCT

- [2211] A. Goerdts. The giant component threshold for random regular graphs with edge faults. *Lecture Notes in Computer Science*, 1295:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Holzer:1997:MHF

- [2212] M. Holzer. Multi-head finite automata: Data-independent versus data-dependent computations. *Lecture Notes in Computer Science*, 1295:299–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Iwama:1997:CFS

- [2213] K. Iwama. Complexity of finding short resolution proofs. *Lecture Notes in Computer Science*, 1295:309–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Jukna:1997:PVN

- [2214] S. Jukna, A. Razborov, P. Savicky, and I. Wegener. On P versus NP intersection co-NP for decision trees and read-once branching programs. *Lecture Notes in Computer Science*, 1295:319–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Karner:1997:CAF

- [2215] G. Karner and W. Kuich. A characterization of abstract families of algebraic power series. *Lecture Notes in Computer Science*, 1295:327–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kobayashi:1997:RDL

- [2216] Y. Kobayashi and F. Otto. Repetitiveness of D0L-Languages is decidable in polynomial time. *Lecture Notes in Computer Science*, 1295:337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolpakov:1997:MLF

- [2217] R. Kolpakov and G. Kucherov. Minimal letter frequency in n -th power-free binary words. *Lecture Notes in Computer Science*, 1295:347–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Korec:1997:RTG

- [2218] I. Korec. Real-time generation of primes by a one-dimensional cellular automaton with 11 states. *Lecture Notes in Computer Science*, 1295:358–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krznaric:1997:OAC

- [2219] D. Krznaric and C. Levcopoulos. Optimal algorithms for complete linkage clustering in d dimensions. *Lecture Notes in Computer Science*, 1295:368–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Manzini:1997:ILC

- [2220] G. Manzini and L. Margara. Invertible linear cellular automata over zm : Algorithmic and dynamical aspects. *Lecture Notes in Computer Science*, 1295:378–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin-Vide:1997:TLC

- [2221] C. Martin-Vide, J. Miquel-Verges, and G. Paun. Two-level contextual grammars: The internal case. *Lecture Notes in Computer Science*, 1295:388–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meer:1997:CPR

- [2222] K. Meer. Counting problems over the reals. *Lecture Notes in Computer Science*, 1295:398–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meinel:1997:ISE

- [2223] C. Meinel and T. Theobald. On the influence of the state encoding on OBDD-Representations of finite state machines. *Lecture Notes in Computer Science*, 1295:408–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Meyer:1997:DTF

- [2224] R. Meyer and A. Petit. Decomposition of TrPTL formulas. *Lecture Notes in Computer Science*, 1295:418–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mundhenk:1997:NHS

- [2225] M. Mundhenk. NP-hard sets have many hard instances. *Lecture Notes in Computer Science*, 1295:428–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nickelsen:1997:DVL

- [2226] A. Nickelsen. Deciding verbose languages with linear advice. *Lecture Notes in Computer Science*, 1295:438–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Petersen:1997:HIS

- [2227] H. Petersen. Homomorphic images of sentential forms and terminating grammars. *Lecture Notes in Computer*

Science, 1295:448–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Plump:1997:SOT

- [2228] D. Plump. Simplification orders for term graph rewriting. *Lecture Notes in Computer Science*, 1295:458–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rensink:1997:DBA

- [2229] A. Rensink and H. Wehrheim. Dependency-based action refinement. *Lecture Notes in Computer Science*, 1295:468–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Savicky:1997:HKB

- [2230] P. Savicky and S. Zak. A hierarchy for $(1, +\kappa)$ -branching programs with respect to κ . *Lecture Notes in Computer Science*, 1295:478–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sibeyn:1997:RFS

- [2231] J. F. Sibeyn. Routing with finite speeds of memory and network. *Lecture Notes in Computer Science*, 1295:488–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tyszkiewicz:1997:QAC

- [2232] J. Tyszkiewicz. Queries and algorithms computable by polynomial time existential reflective machines. *Lecture Notes in Computer Science*, 1295:498–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vogler:1997:POS

- [2233] W. Vogler. Partial order semantics and read arcs. *Lecture Notes in Computer Science*, 1295:508–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Leonardis:1997:CCR

- [2234] A. Leonardis and H. Bischof. Computational complexity reduction in eigenspace approaches. *Lecture Notes in Computer Science*, 1296:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bruske:1997:AID

- [2235] J. Bruske and G. Sommer. An algorithm for intrinsic dimensionality estimation. *Lecture Notes in Computer Science*, 1296:9–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pauwels:1997:FUC

- [2236] E. J. Pauwels, P. Fiddelaers, and F. Mindru. Fully unsupervised clustering using center-surround receptive fields with applications to color-segmentation. *Lecture Notes in Computer Science*, 1296:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Williams:1997:MSF

- [2237] M. L. Williams, E. R. Hancock, and R. C. Wilson. Multi-sensor fusion with Bayesian inference. *Lecture Notes in Computer Science*, 1296:25–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lanser:1997:MVB

- [2238] S. Lanser, C. Zierl, O. Munkelt, and B. Radig. MORAL — A vision-based object recognition system for autonomous mobile systems. *Lecture Notes in Computer Science*, 1296:33–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Denzler:1997:RTP

- [2239] J. Denzler and H. Niemann. Real-time pedestrian tracking in natural scenes. *Lecture Notes in Computer Science*, 1296:42–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Surendro:1997:NRO

- [2240] K. Surendro and Y. Anzai. Non-rigid object recognition using principal component analysis and geometric hashing. *Lecture Notes in Computer Science*, 1296:50–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mustafa:1997:OIS

- [2241] A. A. Y. Mustafa, L. G. Shapiro, and M. A. Ganter. Object identification with surface signatures. *Lecture Notes in Computer Science*, 1296:58–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Csurka:1997:CPP

- [2242] G. Csurka and O. Faugeras. Computing projective and permutation invariants of points and lines. *Lecture Notes in Computer Science*, 1296:66–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suk:1997:PPP

- [2243] T. Suk and J. Flusser. Point projective and permutation invariants. *Lecture Notes in Computer Science*, 1296:74–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lasenby:1997:CPI

- [2244] J. Lasenby and E. Bayro-Corrochano. Computing 3D projective invariants from points and lines. *Lecture Notes in Computer Science*, 1296:82–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Muresan:1997:GTI

- [2245] L. Muresan. 2D \rightarrow 2D geometric transformation invariant to arbitrary translations, rotations and scales. *Lecture Notes in Computer Science*, 1296:90–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aksak:1997:efd

- [2246] I. Aksak, C. Feist, V. Kijko, and R. Knoefel. Extraction of filled-in data from color forms. *Lecture Notes in Computer Science*, 1296:98–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Buzug:1997:IVS

- [2247] T. M. Buzug, C. Lorenz, and J. Weese. Improvement of vessel segmentation by elastically compensated patient motion in digital subtraction angiography images. *Lecture Notes in Computer Science*, 1296:106–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Herzog:1997:TDQ

- [2248] A. Herzog, G. Krell, B. Michaelis, and J. Wang. Three-dimensional quasi-binary image restoration for confocal microscopy and its application to dendritic trees. *Lecture Notes in Computer Science*, 1296:114–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bors:1997:MFI

- [2249] A. G. Bors, W. Puech, I. Pitas, and J.-M. Chassery. Mosaicing of flattened images from straight homogeneous generalized cylinders. *Lecture Notes in Computer Science*, 1296:122–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kozera:1997:WPL

- [2250] R. Kozera and R. Klette. Well-posedness of linear shape-from-shading problem. *Lecture Notes in Computer Science*, 1296:130–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Tuzikov:1997:CCS

- [2251] A. Tuzikov and H. J. A. M. Heijmans. Comparing convex shapes using Minkowski addition. *Lecture Notes in Computer Science*, 1296:138–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kenmochi:1997:DDO

- [2252] Y. Kenmochi and A. Imiya. Deformation of discrete object surfaces. *Lecture Notes in Computer Science*, 1296:146–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chernov:1997:NAN

- [2253] V. M. Chernov and A. V. Shabashev. Non-archimedean normalized fields in texture analysis tasks. *Lecture Notes in Computer Science*, 1296:154–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kazantsev:1997:RTB

- [2254] I. G. Kazantsev. The radon transform-based analysis of bidirectional structural textures. *Lecture Notes in Computer Science*, 1296:162–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chetverikov:1997:TSD

- [2255] D. Chetverikov and K. Gede. Textures and structural defects. *Lecture Notes in Computer Science*, 1296:167–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pollefeys:1997:SCA

- [2256] M. Pollefeys and L. Van Cool. Self-calibration from the absolute conic on the plane at infinity. *Lecture Notes in Computer Science*, 1296:175–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Svoboda:1997:BCC

- [2257] T. Svoboda and P. Sturm. A badly calibrated camera in ego-motion estimation-propagation of uncertainty. *Lecture Notes in Computer Science*, 1296:183–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blake:1997:CCR

- [2258] S. Blake. 6DOF calibration of a camera with respect to the wrist of a 5-axis machine tool. *Lecture Notes in Computer Science*, 1296:191–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Koller:1997:ACC

- [2259] D. Koller, G. Klinker, E. Rose, and D. Breen. Automated camera calibration and 3D egomotion estimation for augmented reality applications. *Lecture Notes in Computer Science*, 1296:199–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Farid:1997:ORE

- [2260] H. Farid and E. P. Simoncelli. Optimally rotation-equivariant directional derivative kernels. *Lecture Notes in Computer Science*, 1296:207–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Stammberger:1997:HFS

- [2261] T. Stammberger, M. Michaelis, M. Reiser, and K.-H. Englmeier. A hierarchical filter scheme for efficient corner detection. *Lecture Notes in Computer Science*, 1296:215–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Branca:1997:DDL

- [2262] A. Branca, F. P. Lovergine, G. Attolico, and A. Distanto. Defect detection on leather by oriented singularities. *Lecture Notes in Computer Science*, 1296:223–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Quan:1997:UAR

- [2263] L. Quan and R. Mohr. Uniqueness of 3D affine reconstruction of lines with affine cameras. *Lecture Notes in Computer Science*, 1296:231–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kanatani:1997:SEA

- [2264] K. Kanatani. Self-evaluation for active vision by the geometric information criterion. *Lecture Notes in Computer Science*, 1296:247–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mendelsohn:1997:DTR

- [2265] J. Mendelsohn, E. Simoncelli, and R. Bajcsy. Discrete-time rigidity-constrained optical flow. *Lecture Notes in Computer Science*, 1296:255–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiemker:1997:ISS

- [2266] R. Wiemker. An iterative spectral-spatial Bayesian labeling approach for unsupervised robust change detection on remotely sensed multispectral imagery. *Lecture Notes in Computer Science*, 1296:263–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smolka:1997:CEB

- [2267] B. Smolka and K. W. Wojciechowski. Contrast enhancement of badly illuminated images based on Gibbs distribution and random walk model. *Lecture Notes in Computer Science*, 1296:271–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hlavac:1997:ANL

- [2268] V. Hlavac and J. Fojtik. Adaptive non-linear predictor for lossless image compression. *Lecture Notes in Computer Science*, 1296:279–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yang:1997:BSR

- [2269] Z. Yang and S. Ma. Beyond standard regularization theory. *Lecture Notes in Computer Science*, 1296:289–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Henkel:1997:FSC

- [2270] R. D. Henkel. Fast stereovision by coherence detection. *Lecture Notes in Computer Science*, 1296:297–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Menard:1997:SMU

- [2271] C. Menard and A. Leonardis. Stereo matching using M-estimators. *Lecture Notes in Computer Science*, 1296:305–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lan:1997:RLB

- [2272] Z.-D. Lan and R. Mohr. Robust location based partial correlation. *Lecture Notes in Computer Science*, 1296:313–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hansen:1997:OSD

- [2273] M. Hansen, K. Daniilidis, and O. Sommer. Optimization of stereo disparity estimation using the instantaneous

frequency. *Lecture Notes in Computer Science*, 1296:321–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiskott:1997:SMC

- [2274] L. Wiskott. Segmentation from motion: Combining Gabor- and Mallat-wavelets to overcome aperture and correspondence problem. *Lecture Notes in Computer Science*, 1296:329–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weitzel:1997:CSR

- [2275] L. Weitzel, K. Kopecz, C. Spengler, and R. Eckhorn. Contour segmentation with recurrent neural networks of pulse-coding neurons. *Lecture Notes in Computer Science*, 1296:337–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Czuni:1997:MMB

- [2276] L. Czuni, T. Sziranyi, and J. Zerubia. Multigrid MRF based picture segmentation with cellular neural networks. *Lecture Notes in Computer Science*, 1296:345–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Williams:1997:CSC

- [2277] L. Williams, T. Wang, and K. Thornber. Computing stochastic completion fields in linear-time using a resolution pyramid. *Lecture Notes in Computer Science*, 1296:353–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Krebs:1997:BN0

- [2278] B. Krebs, M. Burkhardt, and F. M. Wahl. A Bayesian network for 3D object recognition in range data. *Lecture Notes in Computer Science*, 1296:361–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kalocsai:1997:ISR

- [2279] P. Kalocsai. Improving the shape recognition performance of a model with Gabor filter representation. *Lecture Notes in Computer Science*, 1296:369–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Mohr:1997:BDV

- [2280] R. Mohr, S. Picard, and C. Schmid. Bayesian decision versus voting for image retrieval. *Lecture Notes in Computer Science*, 1296:376–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kroener:1997:SNN

- [2281] S. Kroener. A structured neural network invariant to cyclic shifts and rotations. *Lecture Notes in Computer Science*, 1296:384–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Heijmans:1997:MGO

- [2282] H. J. A. M. Heijmans. Morphological grain operators for binary images. *Lecture Notes in Computer Science*, 1296:392–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Palagyi:1997:PST

- [2283] K. Palagyi and A. Kubas. A parallel 12-subiteration 3D thinning algorithm to extract medial lines. *Lecture Notes in Computer Science*, 1296:400–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Rodehorst:1997:AIS

- [2284] V. Rodehorst. Architectural image segmentation using digital watersheds. *Lecture Notes in Computer Science*, 1296:408–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Vavoulidis:1997:MIC

- [2285] C. P. Vavoulidis and I. Pitas. Morphological iterative closest point algorithm. *Lecture Notes in Computer Science*, 1296:416–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pernus:1997:PMV

- [2286] F. Pernus, A. Leonardis, and S. Kovacic. Planning multiple views for 3-D object recognition and pose determination. *Lecture Notes in Computer Science*, 1296:424–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Christy:1997:FRO

- [2287] S. Christy and R. Horaud. Fast and reliable object pose estimation from line correspondences. *Lecture Notes in Computer Science*, 1296:432–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Poesl:1997:SDO

- [2288] J. Poesl and H. Niemann. Statistical a-D object localization without segmentation using wavelet analysis. *Lecture Notes in Computer Science*, 1296:440–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Li:1997:RTM

- [2289] S. F. Li, W. Hsu, and H. K. Pung. A real-time monocular vision-based 3D mouse. *Lecture Notes in Computer Science*, 1296:448–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiskott:1997:FRE

- [2290] L. Wiskott, J.-M. Fellous, N. Krueger, and C. Von der Malsburg. Face recognition by elastic bunch graph matching. *Lecture Notes in Computer Science*, 1296:456–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Feraud:1997:CMN

- [2291] R. Feraud, O. Bernier, J.-E. Viallet, and M. Collobert. A conditional mixture of neural networks for face detection, applied to locating and tracking an individual speaker. *Lecture Notes in Computer Science*, 1296:464–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yu:1997:LUF

- [2292] K. Yu, X. Jiang, and H. Bunke. Lipreading using Fourier transform over time. *Lecture Notes in Computer Science*, 1296:472–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wiskott:1997:PFF

- [2293] L. Wiskott. Phantom faces for face analysis. *Lecture Notes in Computer Science*, 1296:480–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gasteratos:1997:NHS

- [2294] A. Gasteratos, I. Andreadis, and P. Tsalides. A new hardware structure for implementation of soft morphological filters. *Lecture Notes in Computer Science*, 1296:488–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kovalev:1997:MAA

- [2295] V. A. Kovalev and Y. S. Bondar. A method for anisotropy analysis of 3D images. *Lecture Notes in Computer Science*, 1296:495–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lagunovsky:1997:FLR

- [2296] D. Lagunovsky and S. Ablameyko. Fast line and rectangle detection by clustering and grouping. *Lecture Notes in Computer Science*, 1296:503–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zhou:1997:ORO

- [2297] L.-X. Zhou and W.-K. Gu. 1st and 2nd order recursive operators for adaptive edge detection. *Lecture Notes in Computer Science*, 1296:511–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kasinski:1997:SNI

- [2298] A. J. Kasinski. Smoothing noisy images without destroying predefined feature carriers. *Lecture Notes in Computer Science*, 1296:519–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Skarbek:1997:LSM

- [2299] W. Skarbek, M. Ghuwar, and K. Ignasiak. Local subspace method for pattern recognition. *Lecture Notes in Computer Science*, 1296:527–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Paschos:1997:TEN

- [2300] G. Paschos. Testing the effectiveness of non-linear rectification on Gabor energy. *Lecture Notes in Computer Science*, 1296:535–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chudy:1997:NLT

- [2301] L. Chudy and V. Chudy. Neural-like thinning processing. *Lecture Notes in Computer Science*, 1296:543–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aksak:1997:DOG

- [2302] I. Aksak, C. Feist, V. Kijko, and R. Knoefel. Detection of the objects with given shape on the grey-valued pictures. *Lecture Notes in Computer Science*, 1296:551–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aherne:1997:APS

- [2303] F. Aherne, P. Rockett, and N. Thacker. Automatic parameter selection for object recognition using a parallel multiobjective genetic algorithm. *Lecture Notes in Computer Science*, 1296:559–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Negi:1997:UTS

- [2304] A. Negi, P. Sreedevi, and P. Debarma. Unsupervised texture segmentation using Hermite transform filters. *Lecture Notes in Computer Science*, 1296:567–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sarukhanyan:1997:DHM

- [2305] H. G. Sarukhanyan. Decomposition of the Hadamard matrices and Fast Hadamard Transform. *Lecture Notes in Computer Science*, 1296:575–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Zunic:1997:CDD

- [2306] J. Zunic and N. Sladoje. A characterization of digital disks by discrete moments. *Lecture Notes in Computer Science*, 1296:582–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chernov:1997:OSS

- [2307] V. M. Chernov and M. A. Chicheva. One-step short-length DCT algorithms with data representation in the direct sum of the associative algebras. *Lecture Notes in Computer Science*, 1296:590–??, 1997. CODEN LNCSD9. ISSN

0302-9743 (print), 1611-3349 (electronic).

Chutatape:1997:CES

- [2308] O. Chutatape and L. Li. Character extraction from scene image using fuzzy entropy and rule-based technique. *Lecture Notes in Computer Science*, 1296:597–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Carreno:1997:FIR

- [2309] D. Carreño and X. Ginesta. Facial image recognition using neural networks and genetic algorithms. *Lecture Notes in Computer Science*, 1296:605–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kovalev:1997:EMA

- [2310] V. Kovalev and M. Petrou. An energy minimisation approach to the registration, matching and recognition of images. *Lecture Notes in Computer Science*, 1296:613–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Chernov:1997:EFC

- [2311] V. M. Chernov and M. V. Pershina. “error-free” calculation of the convolution using generalized Mersenne and Fermat transforms over algebraic fields. *Lecture Notes in Computer Science*, 1296:621–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smolka:1997:NMT

- [2312] B. Smolka and K. W. Wojciechowski. A new method of texture binariza-

tion. *Lecture Notes in Computer Science*, 1296:629–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nickolay:1997:POI

- [2313] B. Nickolay, B. Schneider, and S. Jacob. Parameter optimisation of an image processing system using evolutionary algorithms. *Lecture Notes in Computer Science*, 1296:637–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Hoogs:1997:ALU

- [2314] A. Hoogs. Analysis of learning using segmentation models. *Lecture Notes in Computer Science*, 1296:645–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reulke:1997:SPI

- [2315] R. Reulke. Stereo processing of image data from the airborne CCD scanner WAAC. *Lecture Notes in Computer Science*, 1296:653–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fan:1997:AMC

- [2316] C. F. Fan, Z. M. Li, X. Q. Ye, and W. K. Gu. An adaptive method of color road segmentation. *Lecture Notes in Computer Science*, 1296:661–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohta:1997:OFD

- [2317] N. Ohta. Optical flow detection using a general noise model for gradient constraint. *Lecture Notes in Computer Science*, 1296:669–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kolesnik:1997:ASS

- [2318] M. Kolesnik and G. Paar. Algorithmic solution and simulation results for vision-based autonomous mode of a planetary rover. *Lecture Notes in Computer Science*, 1296:677–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sanchiz:1997:FFB

- [2319] J. M. Sanchiz, F. Pla, and J. A. Marchant. A framework for feature-based motion recovery in ground plane vehicle navigation. *Lecture Notes in Computer Science*, 1296:686–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gimelfarb:1997:TRM

- [2320] G. L. Gimelfarb and R. M. Haralick. Terrain reconstruction from multiple views. *Lecture Notes in Computer Science*, 1296:694–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boluda:1997:DMI

- [2321] J. A. Boluda, J. Domingo, F. Pardo, and J. Pelechano. Detecting motion independent of the camera movement through a log-polar differential approach. *Lecture Notes in Computer Science*, 1296:702–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Arnsfang:1997:CFC

- [2322] J. Arnsfang, K. Henriksen, and N. Olsen. Coordinate-free camera calibration. *Lecture Notes in Computer*

Science, 1296:710–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Klingspohr:1997:PRT

- [2323] H. Klingspohr, T. Block, and R.-R. Grigat. A passive real-time gaze estimation system for human-machine interfaces. *Lecture Notes in Computer Science*, 1296:718–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fellenz:1997:AVS

- [2324] W. Fellenz, K. Schluens, A. Koschan, and M. Teschner. An active vision system for obtaining high resolution depth information. *Lecture Notes in Computer Science*, 1296:726–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Fayyad:1997:KDD

- [2325] U. Fayyad. Knowledge discovery in databases: An overview. *Lecture Notes in Computer Science*, 1297:3–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gottlob:1997:CSI

- [2326] G. Gottlob, N. Leone, and F. Scarcello. On the complexity of some inductive logic programming problems. *Lecture Notes in Computer Science*, 1297:17–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Puget:1997:ILP

- [2327] J.-F. Puget. Inductive logic programming and constraint logic programming (abstract). *Lecture Notes in Computer Science*, 1297:33–??, 1997. CODEN

LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alexin:1997:LPR

- [2328] Z. Alexin, J. Csirik, T. Gyimothy, and M. Jelasity. Learning phonetic rules in a speech recognition system. *Lecture Notes in Computer Science*, 1297:37–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anthony:1997:CII

- [2329] S. Anthony and A. M. Frisch. Cautious induction in inductive logic programming. *Lecture Notes in Computer Science*, 1297:45–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Anthony:1997:GNL

- [2330] S. Anthony and A. M. Frisch. Generating numerical literals during refinement. *Lecture Notes in Computer Science*, 1297:61–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Blockeel:1997:LDI

- [2331] H. Blockeel and L. De Raedt. Lookahead and discretization in ILP. *Lecture Notes in Computer Science*, 1297:77–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Bryant:1997:DMI

- [2332] C. H. Bryant. Data mining via ILP: The application of progol to a database of enantioseparations. *Lecture Notes in Computer Science*, 1297:85–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cussens:1997:PST

- [2333] J. Cussens. Part-of-speech tagging using progol. *Lecture Notes in Computer Science*, 1297:93–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dehaspe:1997:MEM

- [2334] L. Dehaspe. Maximum entropy modeling with clausal constraints. *Lecture Notes in Computer Science*, 1297:109–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dehaspe:1997:MAR

- [2335] L. Dehaspe and L. De Raedt. Mining association rules in multiple relations. *Lecture Notes in Computer Science*, 1297:125–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

DeRaedt:1997:ULD

- [2336] L. De Raedt and H. Blockeel. Using logical decision trees for clustering. *Lecture Notes in Computer Science*, 1297:133–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Dzeroski:1997:ISN

- [2337] S. Dzeroski and T. Erjavec. Induction of slovene nominal paradigms. *Lecture Notes in Computer Science*, 1297:141–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Flach:1997:NFI

- [2338] P. A. Flach. Normal forms for inductive logic programming. *Lecture Notes in*

Computer Science, 1297:149–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Furukawa:1997:SCE

- [2339] K. Furukawa, T. Murakami, K. Ueno, and T. Ozaki. On a sufficient condition for the existence of most specific hypothesis in progol. *Lecture Notes in Computer Science*, 1297:157–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Furusawa:1997:ILP

- [2340] M. Furusawa, N. Inuzuka, H. Seki, and H. Itoh. Induction of logic programs with more than one recursive clause by analyzing saturations. *Lecture Notes in Computer Science*, 1297:165–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geibel:1997:LFG

- [2341] P. Geibel and F. Wyszotzki. A logical framework for graph theoretical decision tree learning. *Lecture Notes in Computer Science*, 1297:173–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kakas:1997:LA

- [2342] A. C. Kakas and F. Riguzzi. Learning with abduction. *Lecture Notes in Computer Science*, 1297:181–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Martin:1997:SPI

- [2343] L. Martin and C. Vrain. Systematic predicate invention in inductive logic programming. *Lecture Notes in Computer Science*, 1297:189–??, 1997.

CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Moyle:1997:LPE

- [2344] S. Moyle and S. Muggleton. Learning programs in the event calculus. *Lecture Notes in Computer Science*, 1297:205–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nienhuys-Cheng:1997:DBH

- [2345] S.-H Nienhuys-Cheng. Distance between Herbrand interpretations: A measure for approximations to a target concept. *Lecture Notes in Computer Science*, 1297:213–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ozaki:1997:RPF

- [2346] T. Ozaki, K. Furukawa, T. Murakami, and K. Ueno. Realizing progol by forward reasoning. *Lecture Notes in Computer Science*, 1297:227–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Pompe:1997:PFO

- [2347] U. Pompe and I. Kononenko. Probabilistic first-order classification. *Lecture Notes in Computer Science*, 1297:235–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Reddy:1997:LHD

- [2348] C. Reddy and P. Tadepalli. Learning horn definitions with equivalence and membership queries. *Lecture Notes in Computer Science*, 1297:243–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sadohara:1997:UAS

- [2349] K. Sadohara and M. Haraguchi. Using abstraction schemata in inductive logic programming. *Lecture Notes in Computer Science*, 1297:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Sebag:1997:DIF

- [2350] M. Sebag. Distance induction in first order logic. *Lecture Notes in Computer Science*, 1297:264–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Srinivasan:1997:CPU

- [2351] A. Srinivasan, R. D. King, S. H. Muggleton, and M. J. E. Sternberg. Carcinogenesis predictions using ILP. *Lecture Notes in Computer Science*, 1297:273–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Weber:1997:DFO

- [2352] I. Weber. Discovery of first-order regularities in a relational database using offline candidate determination. *Lecture Notes in Computer Science*, 1297:288–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Yamamoto:1997:WHC

- [2353] A. Yamamoto. Which hypotheses can be found with inverse entailment? *Lecture Notes in Computer Science*, 1297:296–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Alpuente:1997:SFU

- [2354] M. Alpuente, M. Falaschi, G. Moreno, and G. Vidal. Safe folding/unfolding with conditional narrowing. *Lecture Notes in Computer Science*, 1298:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Antoy:1997:OND

- [2355] S. Antoy. Optimal non-deterministic functional logic computations. *Lecture Notes in Computer Science*, 1298:16–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Codish:1997:SBT

- [2356] M. Codish and C. Taboch. A semantic basis for termination analysis of logic programs and its realization using symbolic norm constraints. *Lecture Notes in Computer Science*, 1298:31–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Geser:1997:PFP

- [2357] A. Geser and S. Gorlatch. Parallelizing functional programs by generalization. *Lecture Notes in Computer Science*, 1298:46–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Kirchner:1997:HOE

- [2358] G. Kirchner and C. Ringeissen. Higher-order equational unification via explicit substitutions. *Lecture Notes in Computer Science*, 1298:61–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Steggles:1997:PHO

- [2359] L. J. Steggles. Parameterised higher-order algebraic specifications. *Lecture Notes in Computer Science*, 1298:76–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Suzuki:1997:HOL

- [2360] T. Suzuki, K. Nakagawa, and T. Ida. Higher-order lazy narrowing calculus: A computation model for a higher-order functional logic language. *Lecture Notes in Computer Science*, 1298:99–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Aoto:1997:CPT

- [2361] T. Aoto and Y. Toyama. On composable properties of term rewriting systems. *Lecture Notes in Computer Science*, 1298:114–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Lucas:1997:NRC

- [2362] S. Lucas. Needed reductions with context-sensitive rewriting. *Lecture Notes in Computer Science*, 1298:129–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Ohlebusch:1997:CTG

- [2363] E. Ohlebusch. Conditional term graph rewriting. *Lecture Notes in Computer Science*, 1298:144–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Almendros-Jimenez:1997:LNP

- [2364] J. M. Almendros-Jimenez and A. Gil-Luezas. Lazy narrowing with parametric order sorted types. *Lecture Notes in Computer Science*, 1298:159–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barthe:1997:TAT

- [2365] G. Barthe and F. Van Raamsdonk. Termination of algebraic type systems: The syntactic approach. *Lecture Notes in Computer Science*, 1298:174–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Caires:1997:PNS

- [2366] L. Caires and L. Monteiro. Proof net semantics of proof search computation. *Lecture Notes in Computer Science*, 1298:194–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Barthe:1997:ESL

- [2367] G. Barthe, F. Kamareddine, and A. Rios. Explicit substitutions for the lambda δ calculus. *Lecture Notes in Computer Science*, 1298:209–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

MunozH:1997:LLV

- [2368] Cesar A. Muñoz H. A left-linear variant of lambda-sigma. *Lecture Notes in Computer Science*, 1298:224–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Khasidashvili:1997:PUN

- [2369] Z. Khasidashvili and M. Ogawa. Perpetuality and uniform normalization. *Lecture Notes in Computer Science*, 1298:240–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Abdennadher:1997:MGE

- [2370] S. Abdennadher and H. Schuetz. Model generation with existentially quantified variables and constraints. *Lecture Notes in Computer Science*, 1298:256–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Nedjah:1997:OLR

- [2371] N. Nedjah, C. D. Walter, and S. E. Eldridge. Optimal left-to-right pattern-matching automata. *Lecture Notes in Computer Science*, 1298:273–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Wilks:1997:IEC

- [2372] Y. Wilks. Information extraction as a core language technology. *Lecture Notes in Computer Science*, 1299:1–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grishman:1997:IET

- [2373] R. Grishman. Information extraction: Techniques and challenges. *Lecture Notes in Computer Science*, 1299:10–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Gaizauskas:1997:CVL

- [2374] R. Gaizauskas, K. Humphreys, S. Azam, and Y. Wilks. Concepticons vs. lexicons: An architecture for multilingual information extraction. *Lecture Notes in Computer Science*, 1299:28–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Basili:1997:LAI

- [2375] R. Basili and M. T. Pazienza. Lexical acquisition for information extraction. *Lecture Notes in Computer Science*, 1299:44–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Boguraev:1997:TTD

- [2376] B. Boguraev and C. Kennedy. Technical terminology for domain specification and content characterisation. *Lecture Notes in Computer Science*, 1299:73–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Grefenstette:1997:SQL

- [2377] G. Grefenstette. Short query linguistic expansion techniques: Palliating one-word queries by providing intermediate structures to text. *Lecture Notes in Computer Science*, 1299:97–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Smeaton:1997:IRS

- [2378] A. F. Smeaton. Information retrieval: Still butting heads with natural language processing? *Lecture Notes in Computer Science*, 1299:115–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Guarino:1997:SMF

- [2379] N. Guarino. Semantic matching: Formal ontological distinctions for information organization, extraction, and integration. *Lecture Notes in Computer Science*, 1299:139–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Neri:1997:MLI

- [2380] F. Neri and L. Saitta. Machine learning for information extraction. *Lecture Notes in Computer Science*, 1299:171–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Cluet:1997:MQS

- [2381] S. Cluet. Modeling and querying semi-structured data. *Lecture Notes in Computer Science*, 1299:192–??, 1997. CODEN LNCSD9. ISSN 0302-9743 (print), 1611-3349 (electronic).

Schlechta:1997:NLB

- [2382] Karl Schlechta. *Nonmonotonic logics: basic concepts, results, and techniques*, volume 1187 of *Lecture Notes in Computer Science and Lecture Notes in Artificial Intelligence*. Springer-Verlag Inc., New York, NY, USA, 1997. CODEN LNCSD9. ISBN 3-540-62482-1 (Berlin). ISSN 0302-9743 (print), 1611-3349 (electronic). ix + 243 pp. LCCN Q339 .S35 1997.

Sipper:1997:EPC

- [2383] Moshe Sipper. *Evolution of parallel cellular machines: the cellular programming approach*, volume 1194 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1997.

CODEN LNCSD9. ISBN 3-540-62613-1 (Berlin). ISSN 0302-9743 (print), 1611-3349 (electronic). xiii + 198 pp. LCCN QA76.58.S575 1997.

Nienhuys-Cheng:1997:FIL

- [2384] S.-H. (Shan-Hwei) Nienhuys-Cheng and R. Wolf. *Foundations of inductive logic programming*, volume 1228 of *Lecture Notes in Computer Science and Lecture Notes in Artificial Intelligence*. Springer-Verlag Inc., New York, NY, USA, 1997. CODEN LNCSD9. ISBN 3-540-62927-0 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). xvii + 404 pp. LCCN QA76.63 .N54 1997.

Kraetzschmar:1997:DRM

- [2385] Gerhard Kraetzschmar. *Distributed reason maintenance for multiagent systems*, volume 1229 of *Lecture Notes in Artificial Intelligence and Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1997. CODEN LNCSD9. ISBN 3-540-63606-4 (softcover). ISSN 0302-9743 (print), 1611-3349 (electronic). xiv + 296 pp. LCCN QA76.76.I58 K73 1997.

Taft:1997:ARM

- [2386] S. Tucker Taft and Robert A. Duff. *Ada 95 reference manual: language and standard libraries*, volume 1246 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1997. CODEN LNCSD9. ISBN 3-540-63144-5. ISSN 0302-9743 (print), 1611-3349 (electronic). xviii + 526 pp. LCCN QA76.73.A35 A22 1997. International standard ISO/IEC 8652:1995(E).

Mycielski:1997:SLC

- [2387] Jan Mycielski, Grzegorz Rozenberg, and Arto Salomaa. *Structures in logic and computer science: a selection of essays*, volume 1261 of *Lecture Notes in Computer Science*. Springer-Verlag Inc., New York, NY, USA, 1997. CODEN LNCSD9. ISBN 3-540-63246-8. ISSN 0302-9743 (print), 1611-3349 (electronic). x + 370 pp. LCCN QA76.S844 1997.